

FIG. 1A

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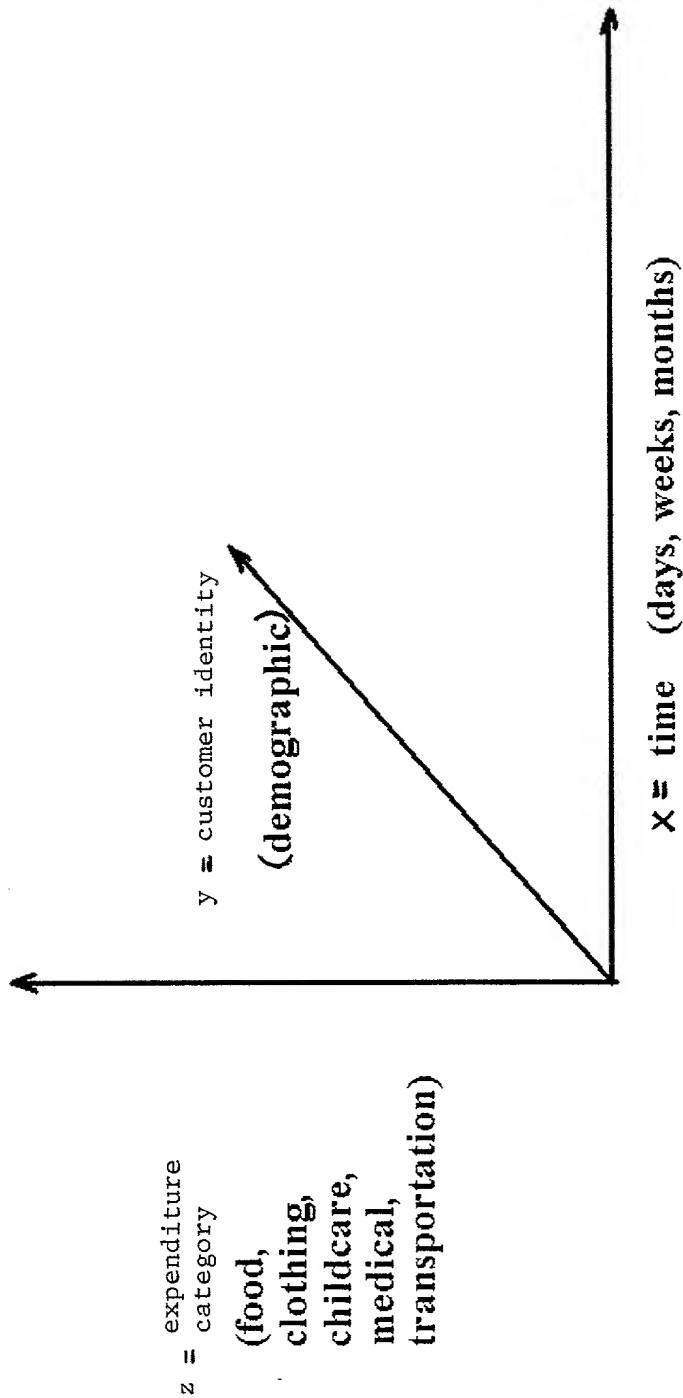
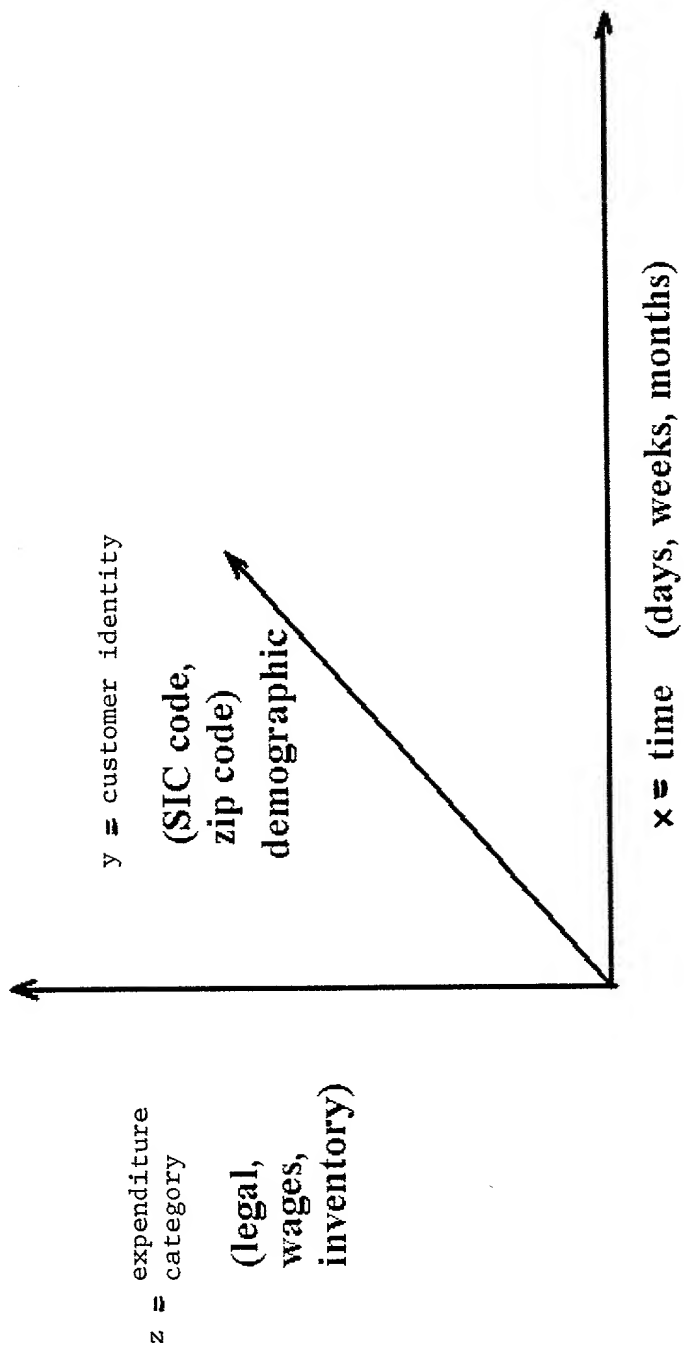


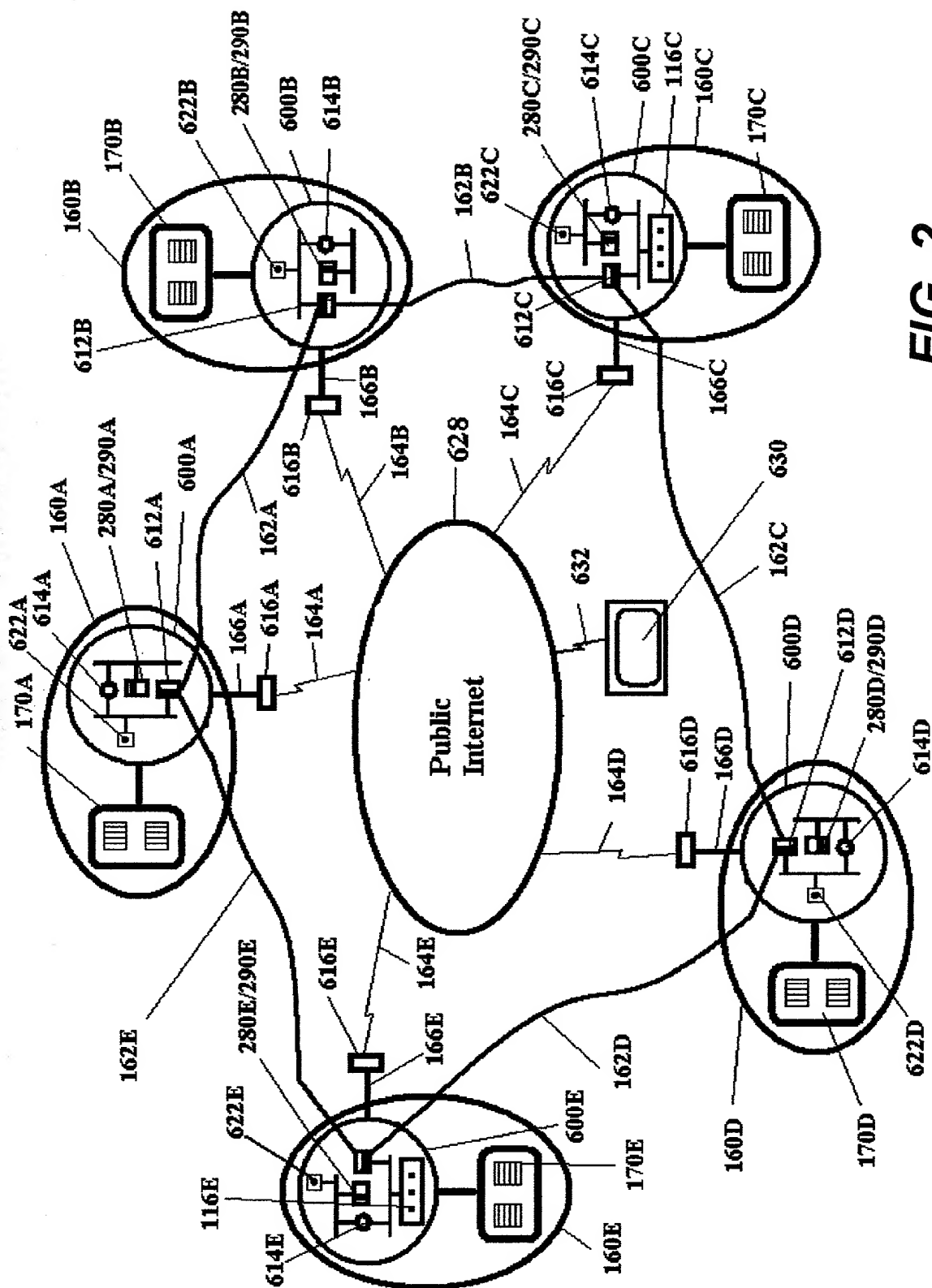
FIG. 1B

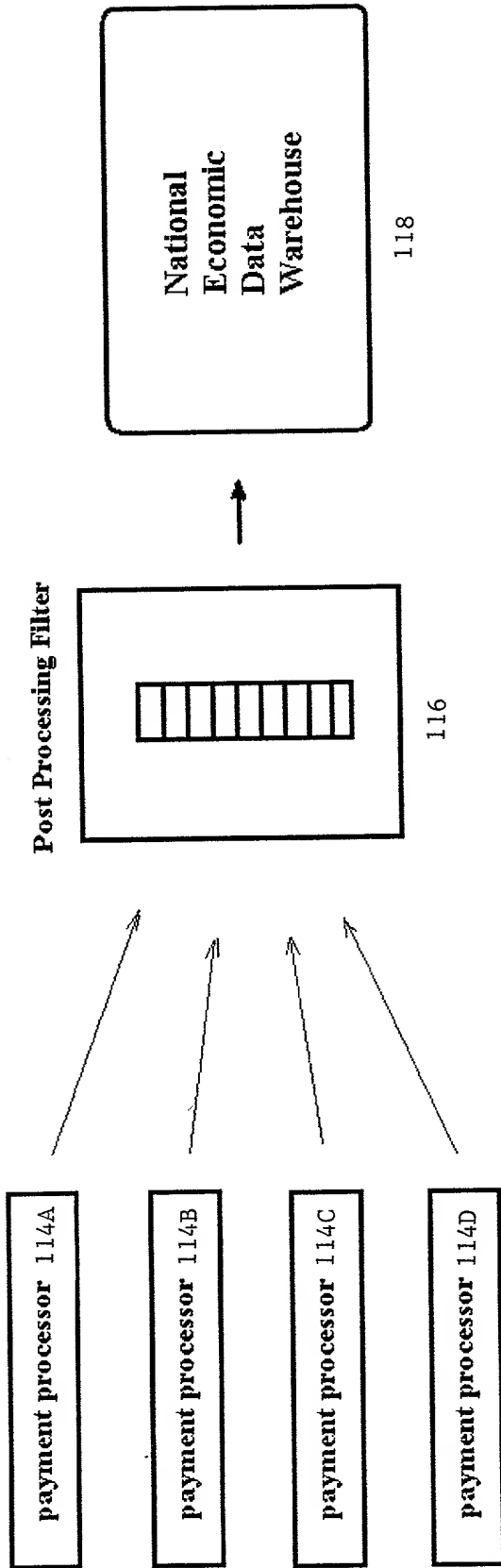


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FIG. 1C

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FIG. 3

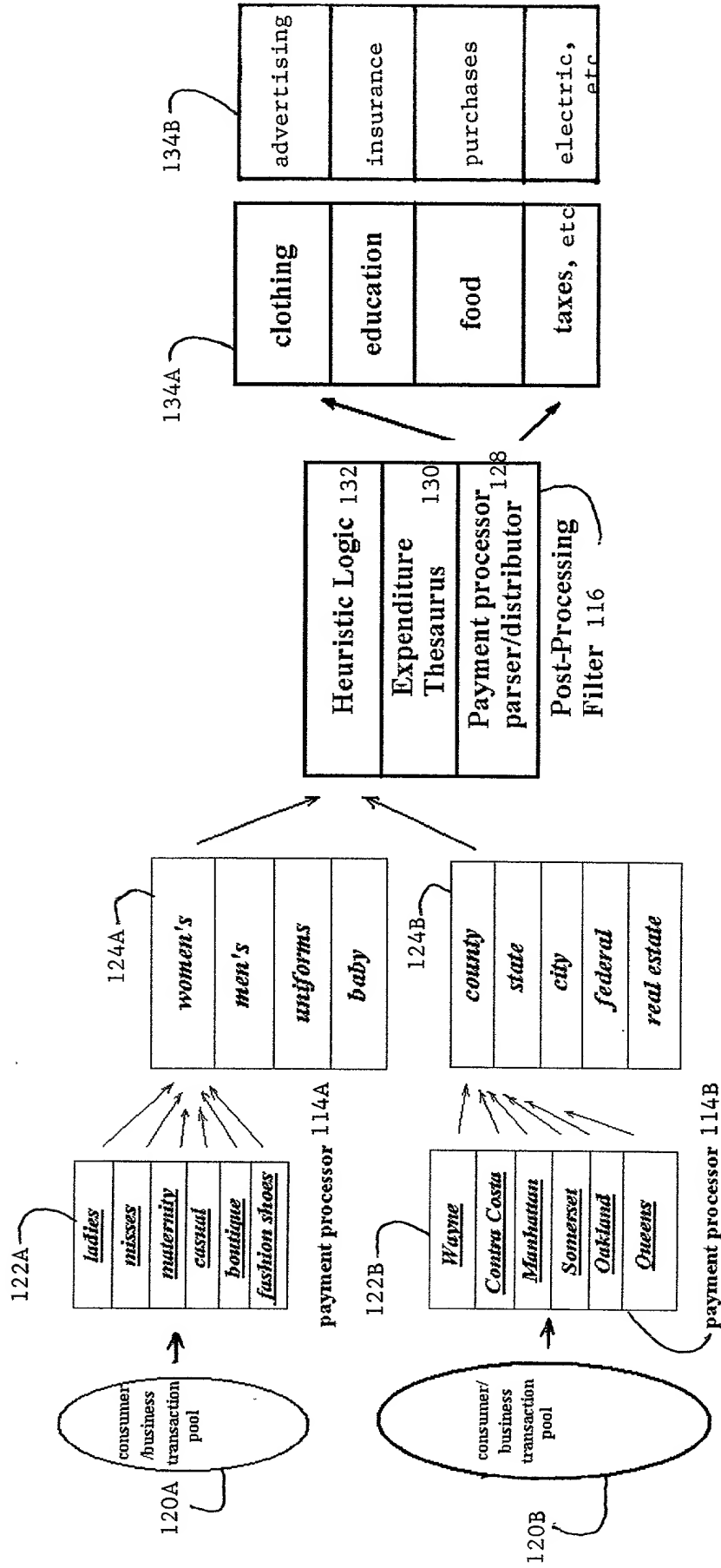
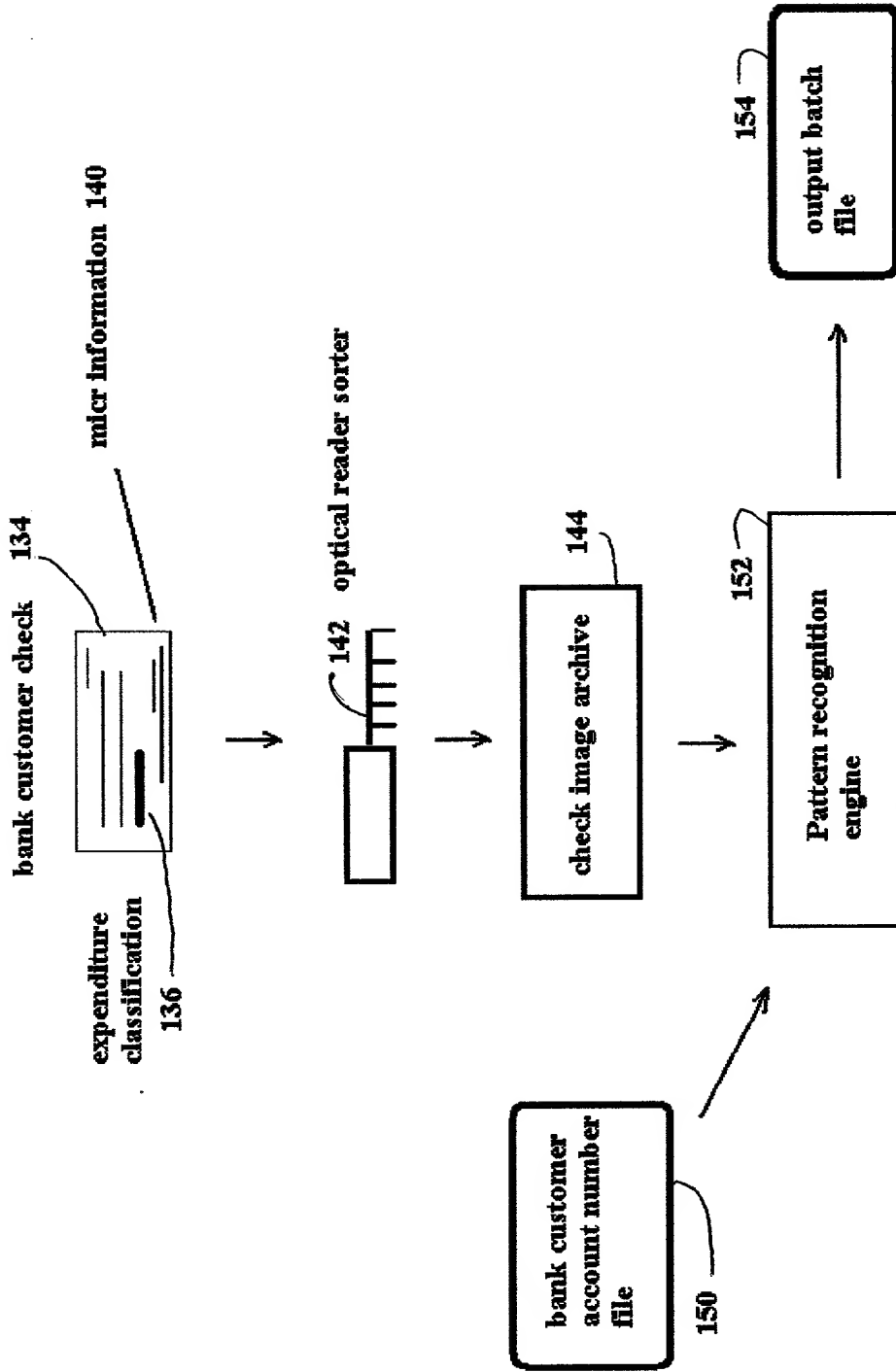


FIG. 4

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FIG. 5A (Prior Art)

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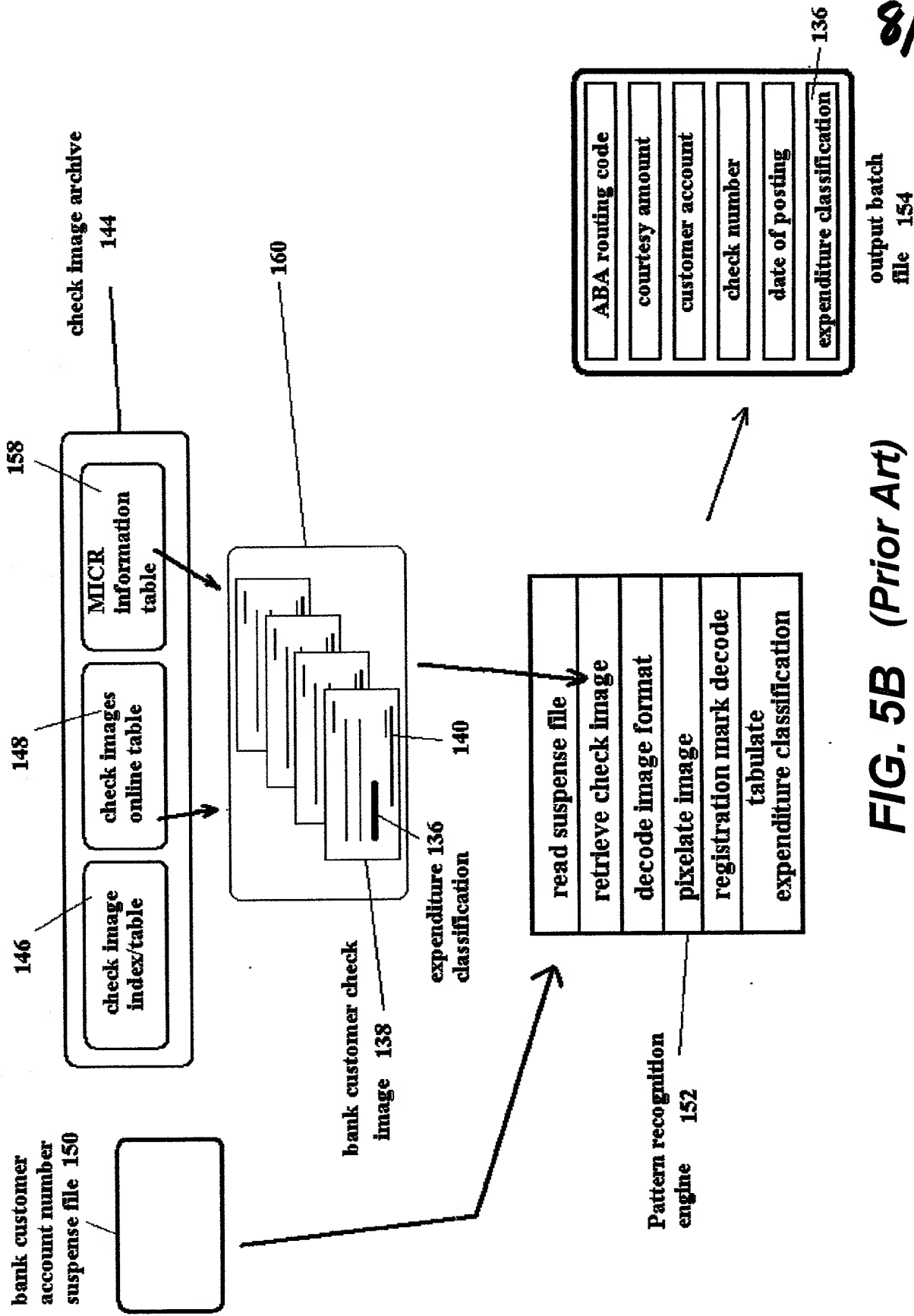


FIG. 5B (Prior Art)

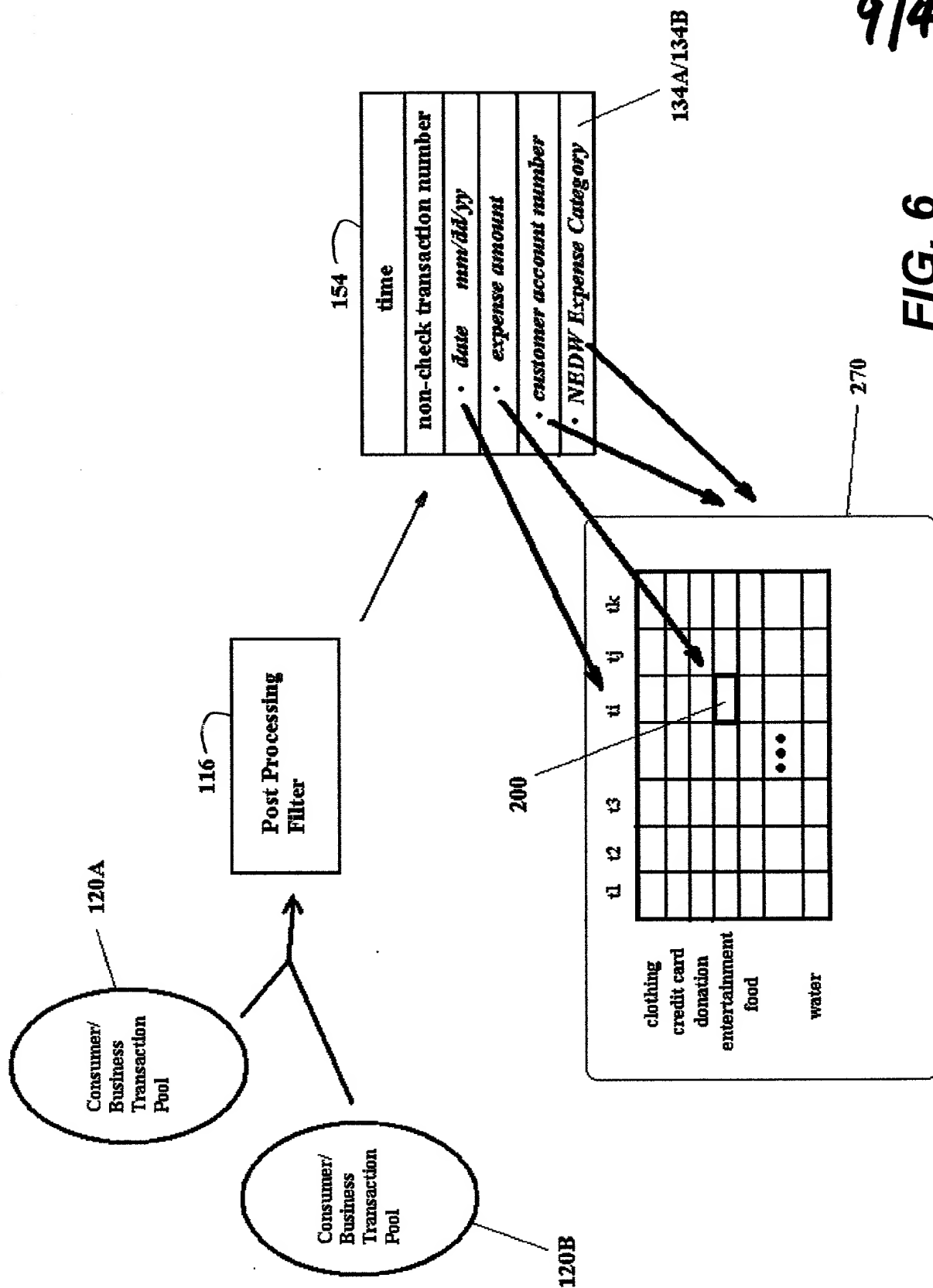


FIG. 6

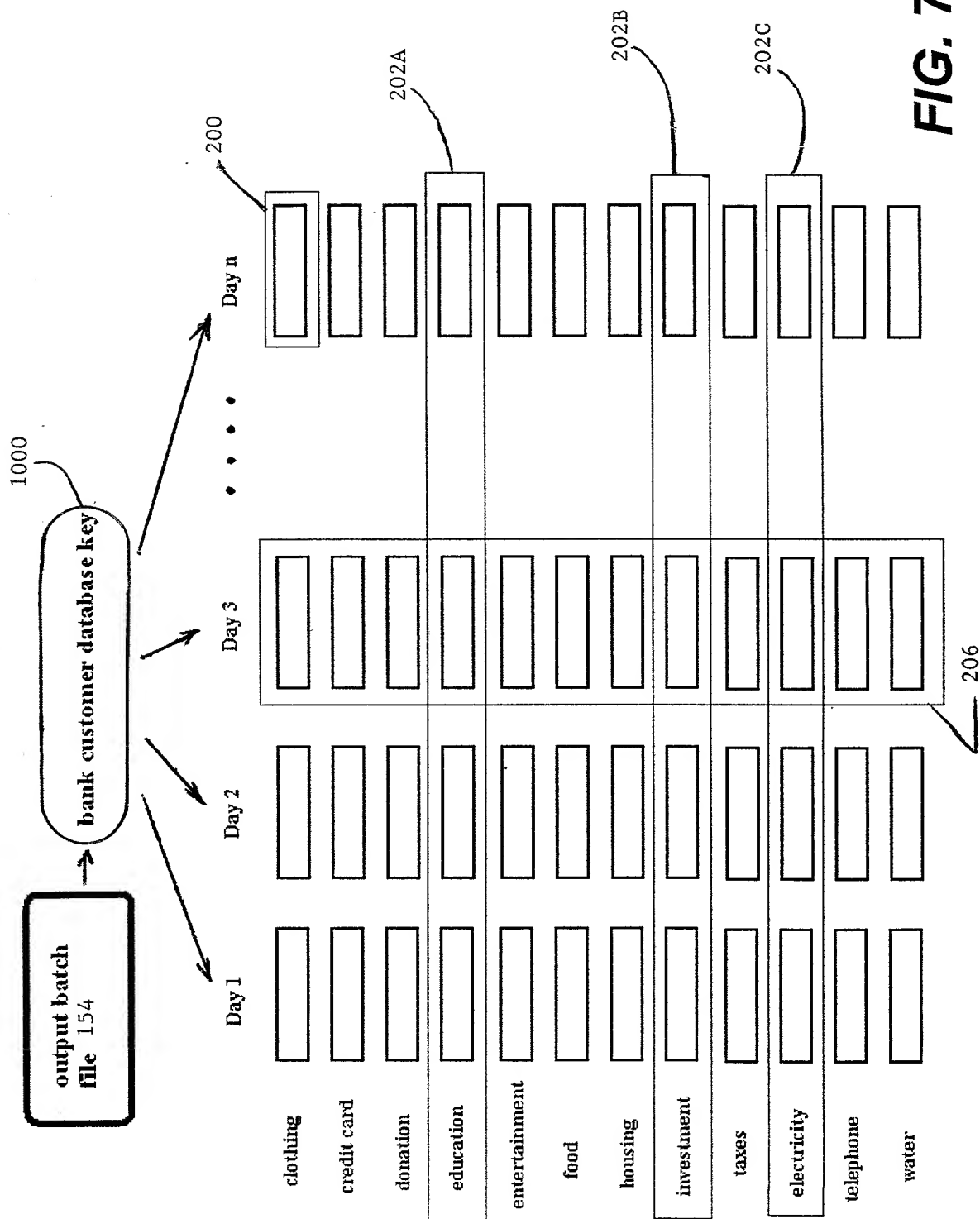


FIG. 7A

1000 "DOTS" 1000

1000

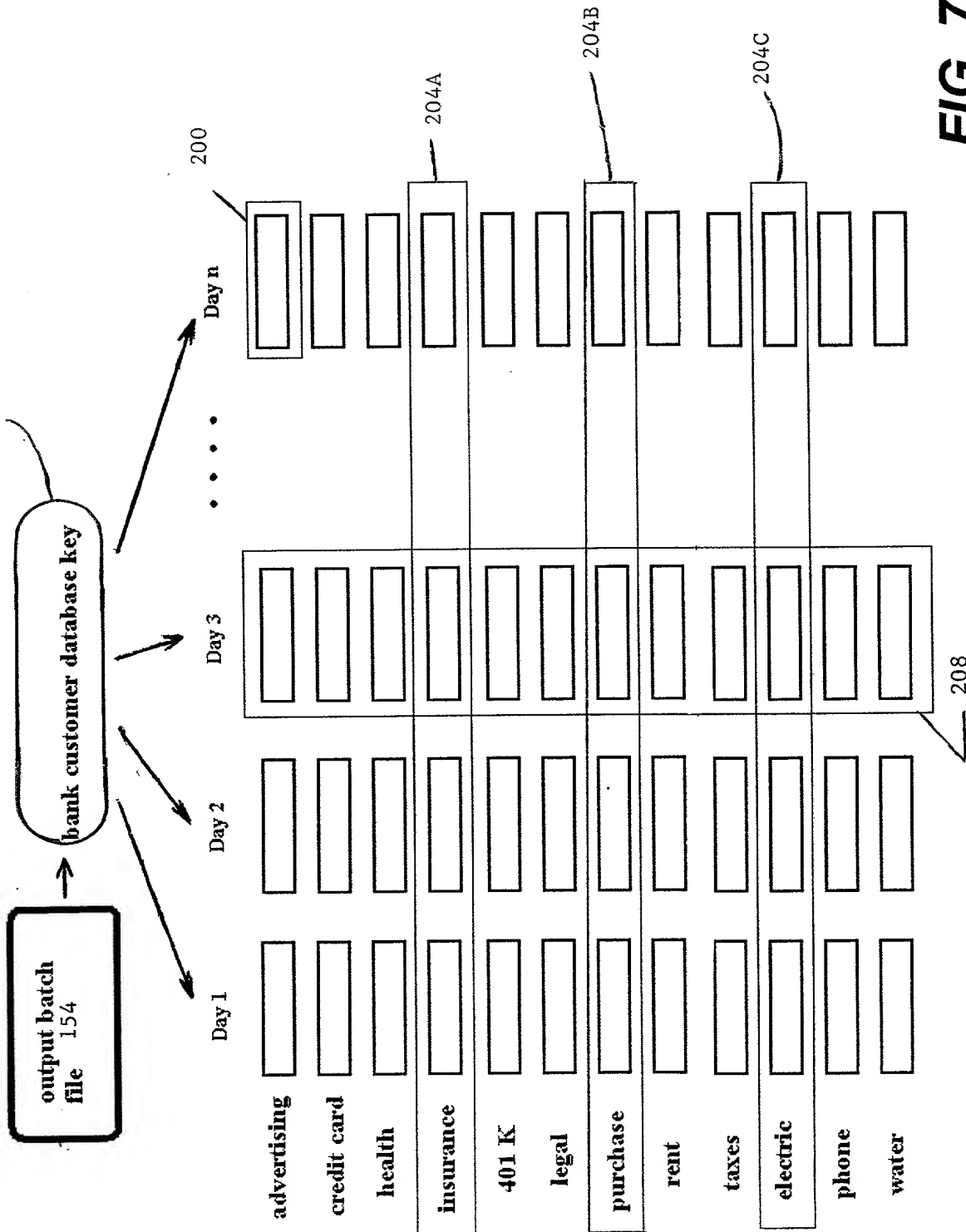
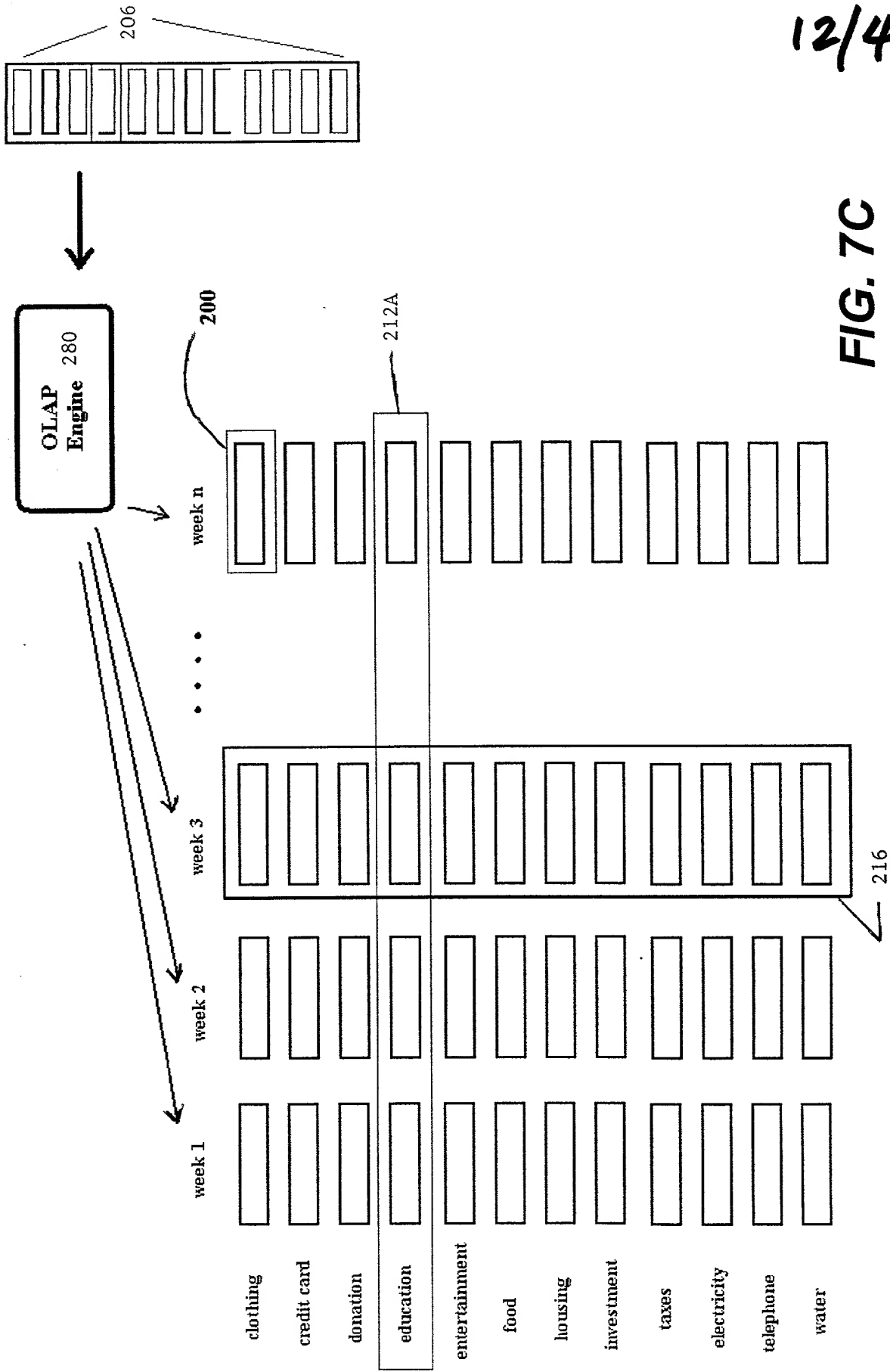


FIG. 7B

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FIG. 7C



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FIG. 7C

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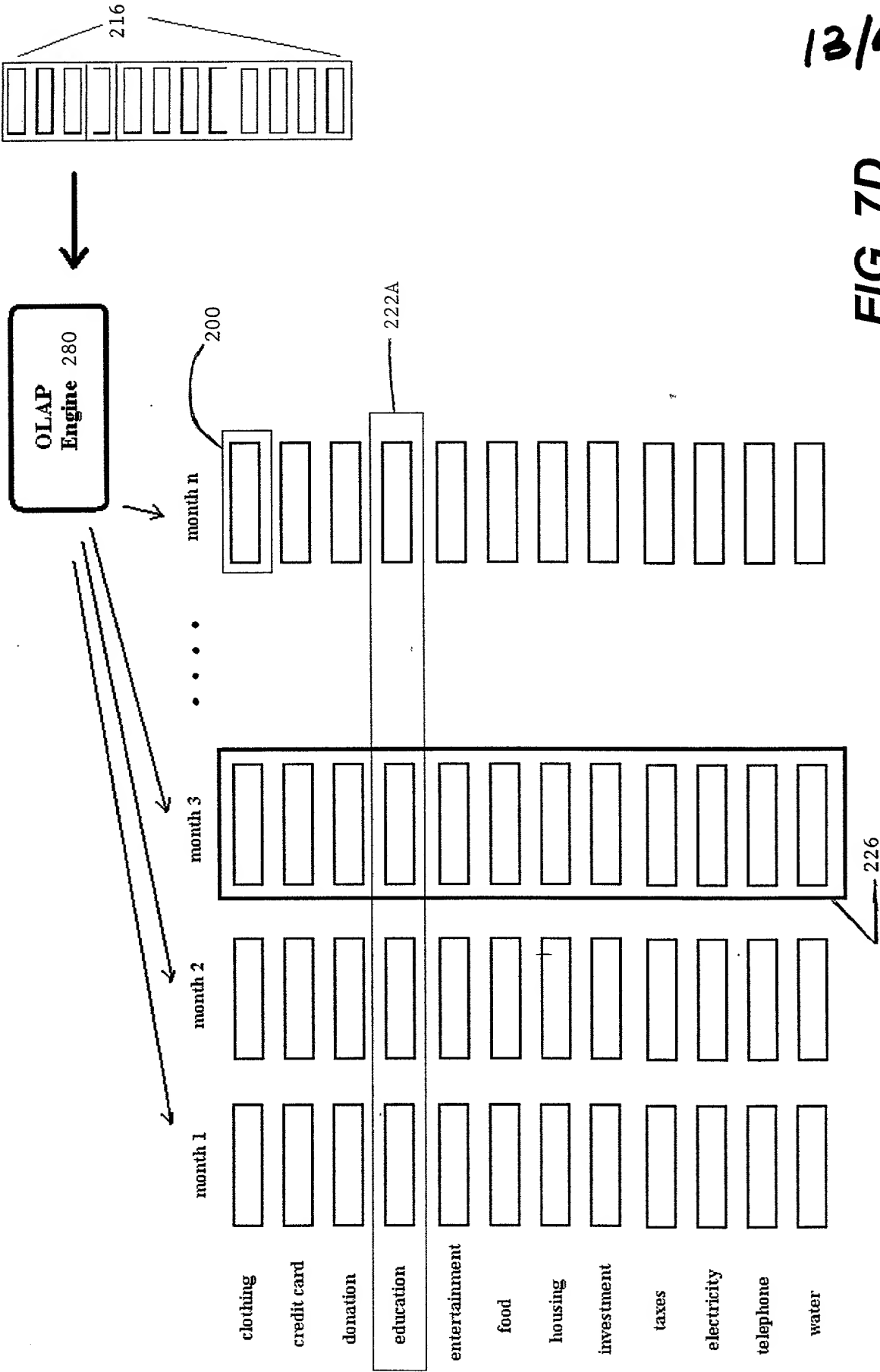
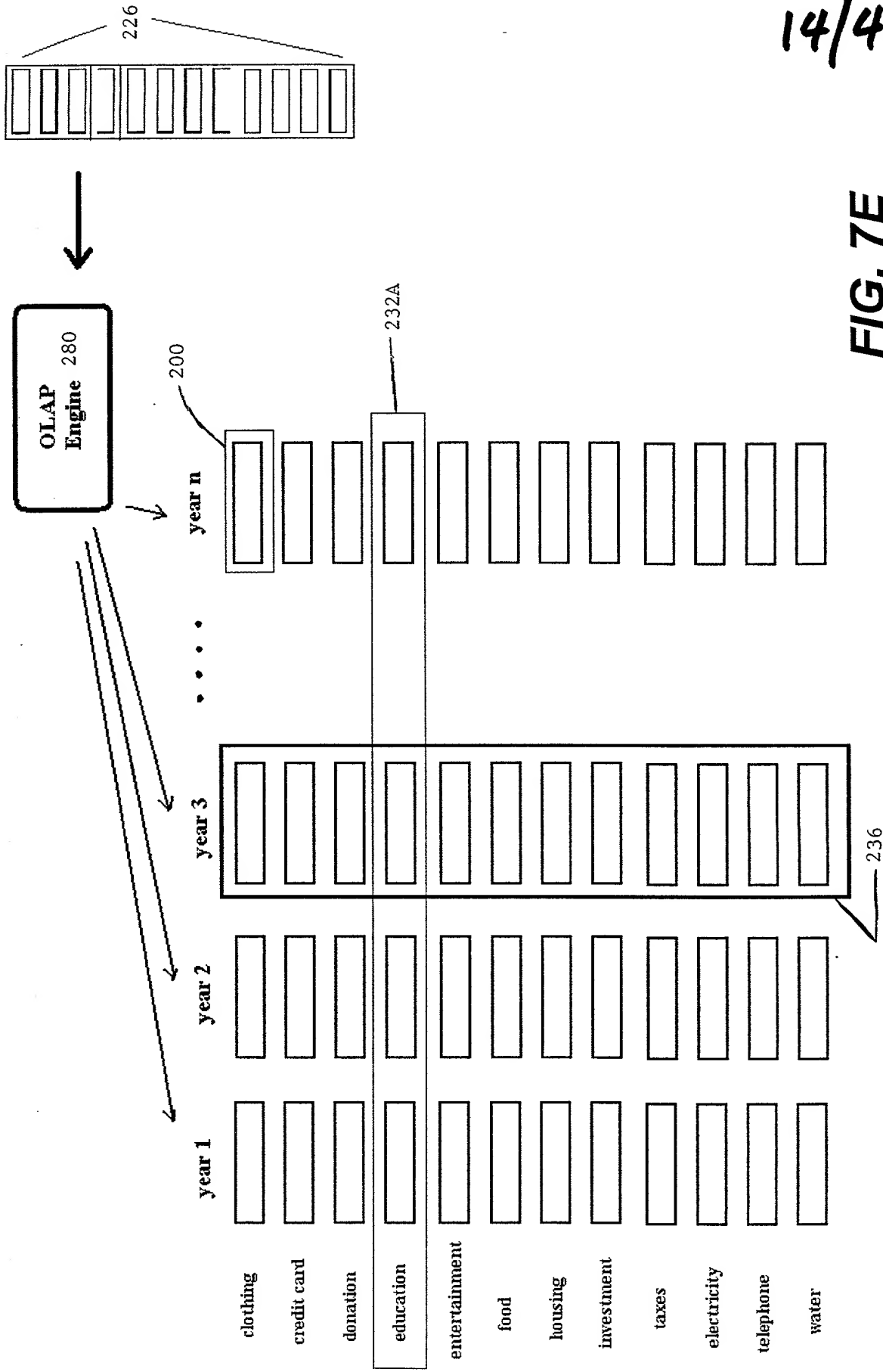


FIG. 7D

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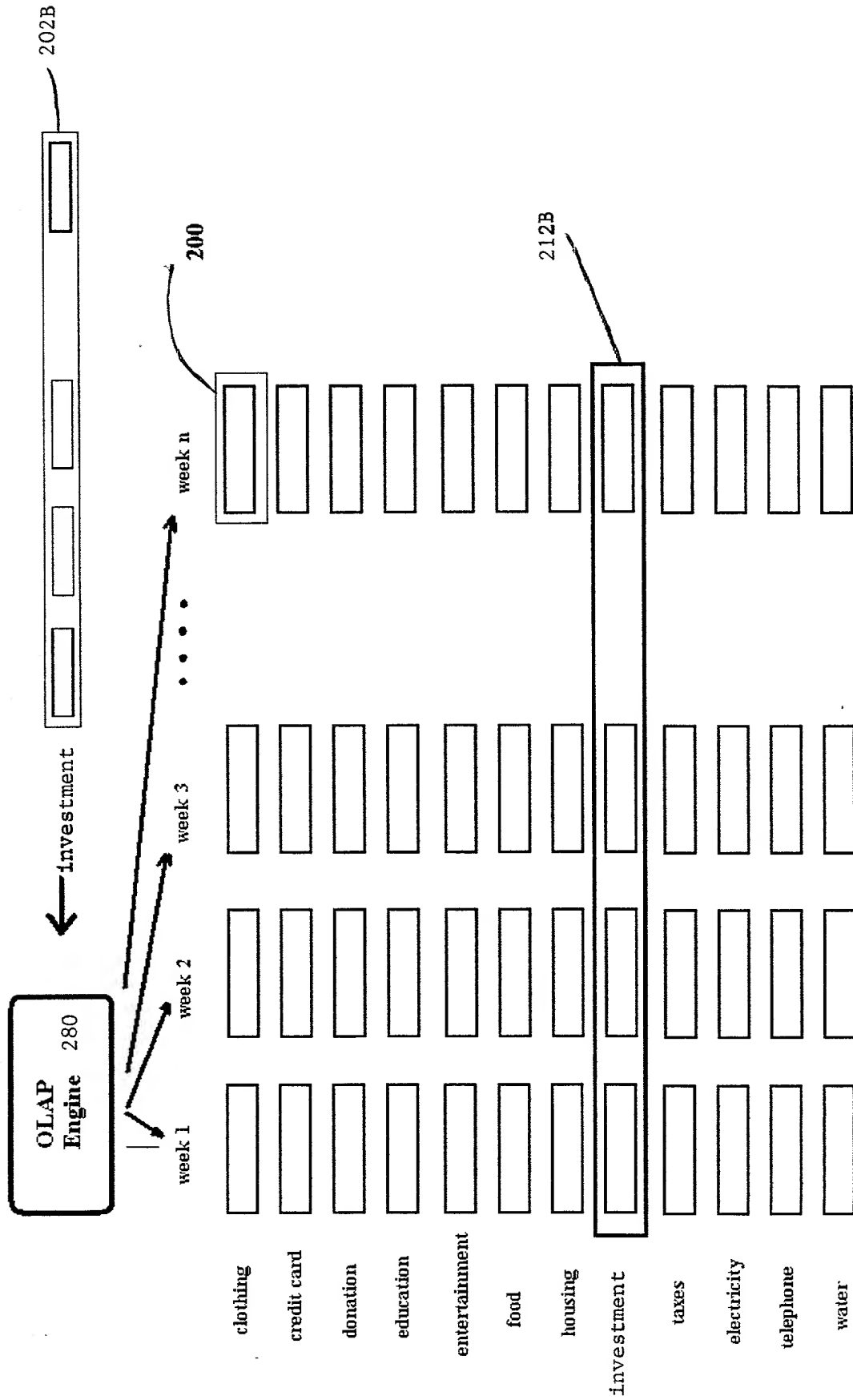


FIG. 8A

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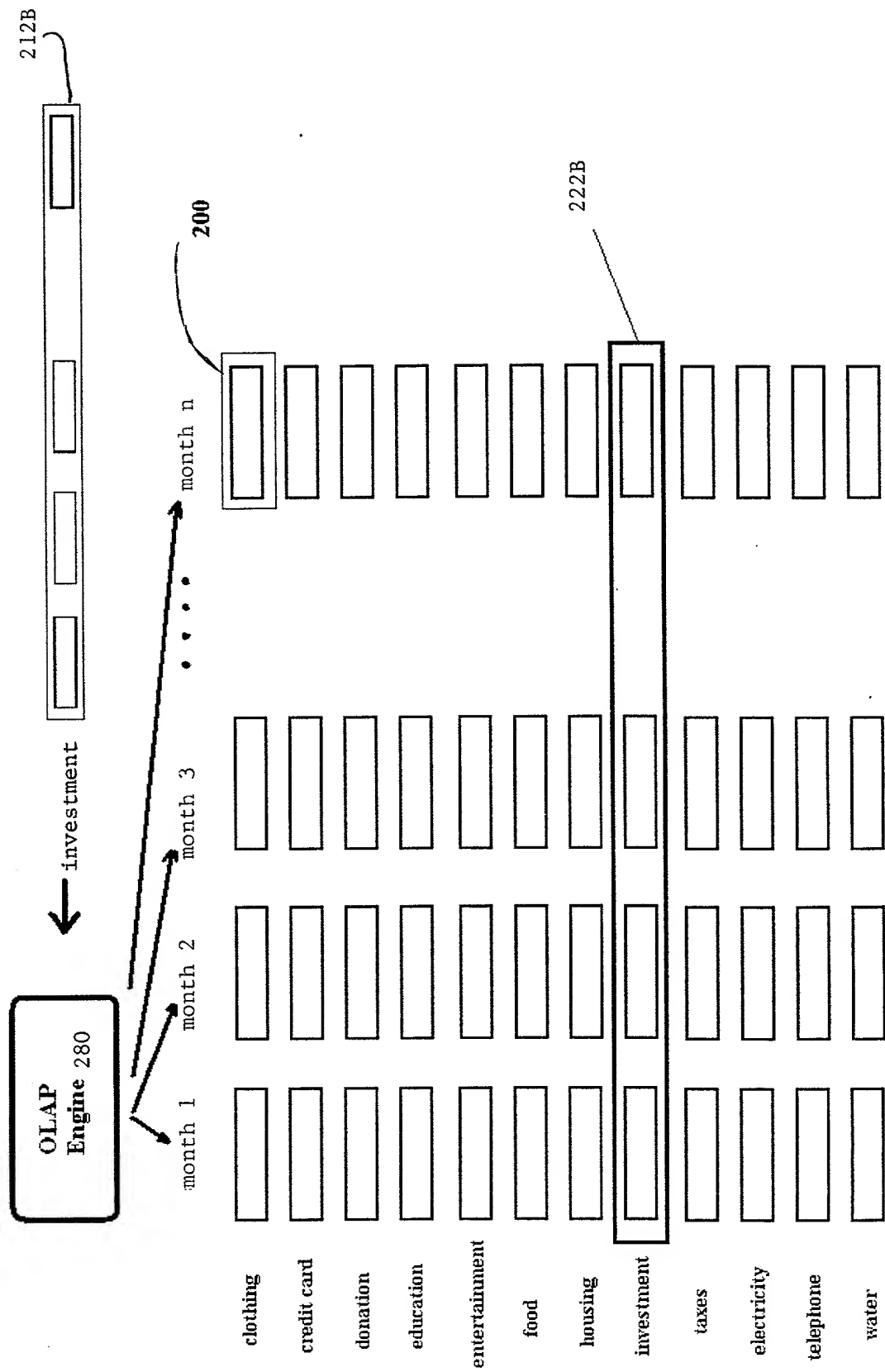


FIG. 8B

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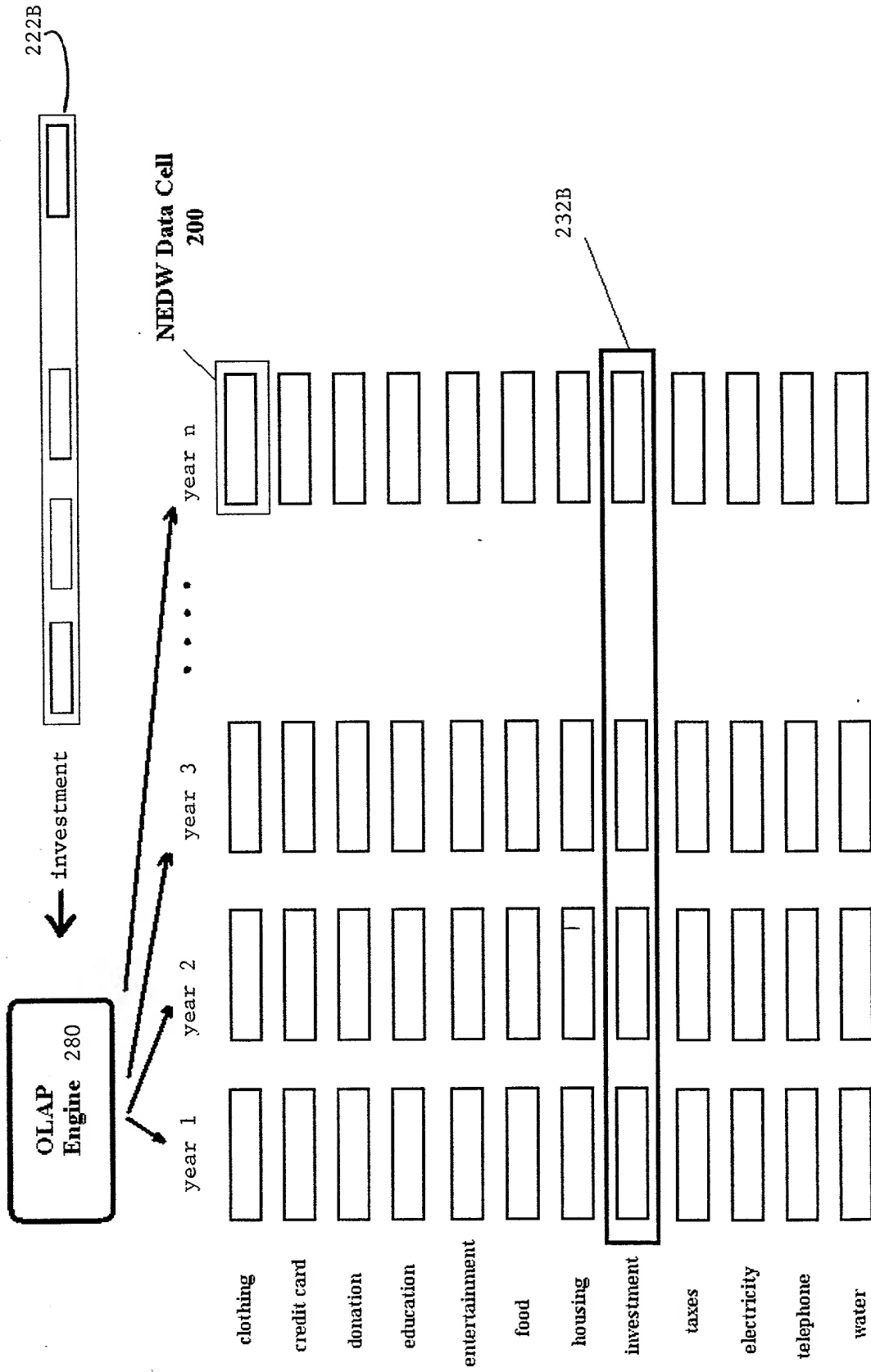


FIG. 8C

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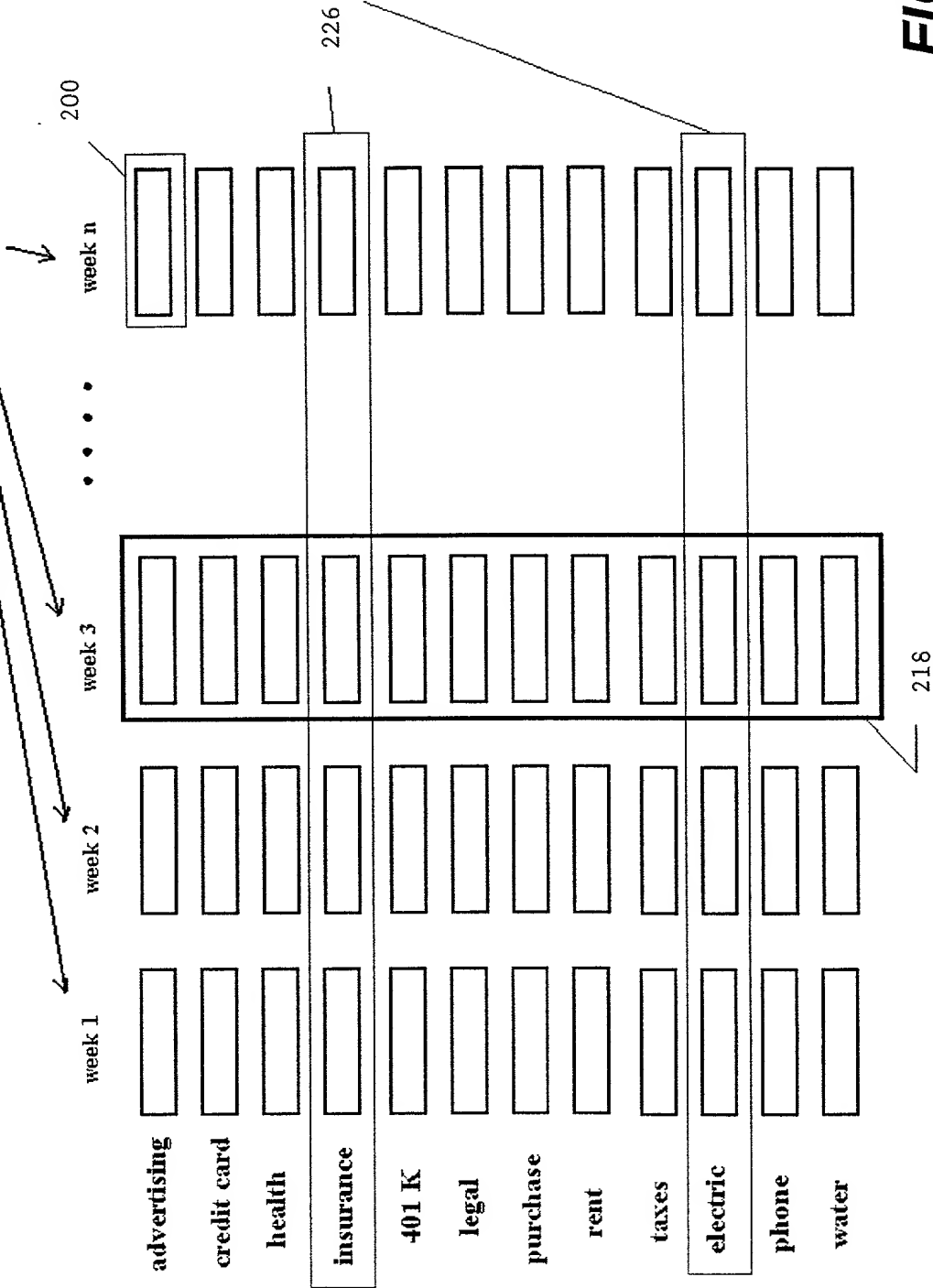
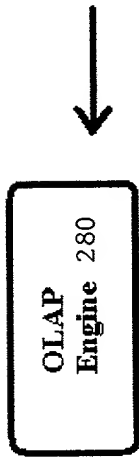
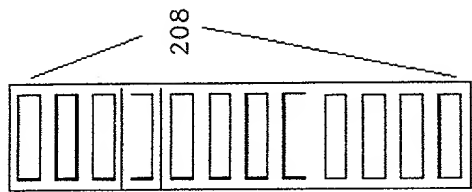


FIG. 9A

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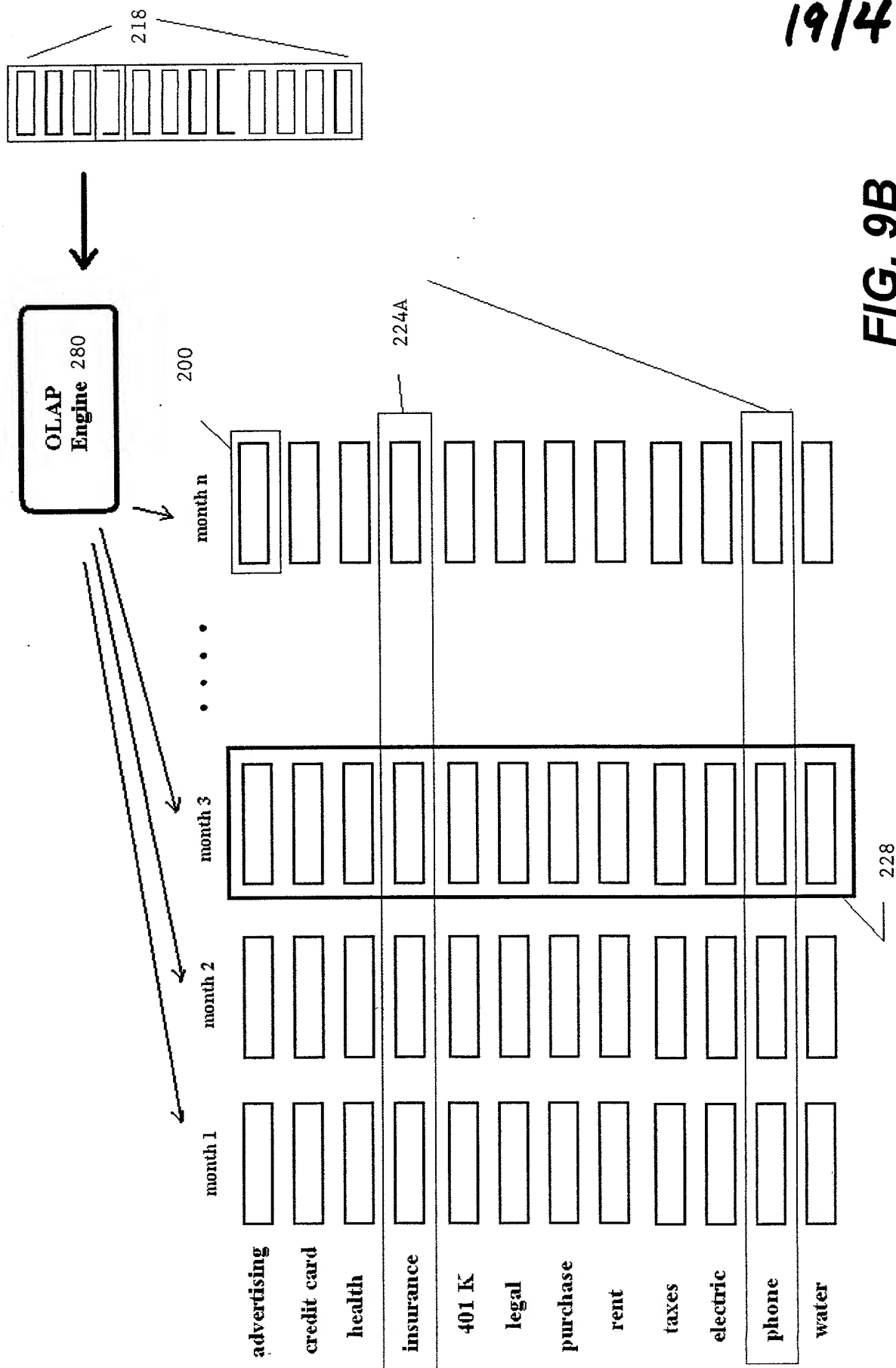


FIG. 9B

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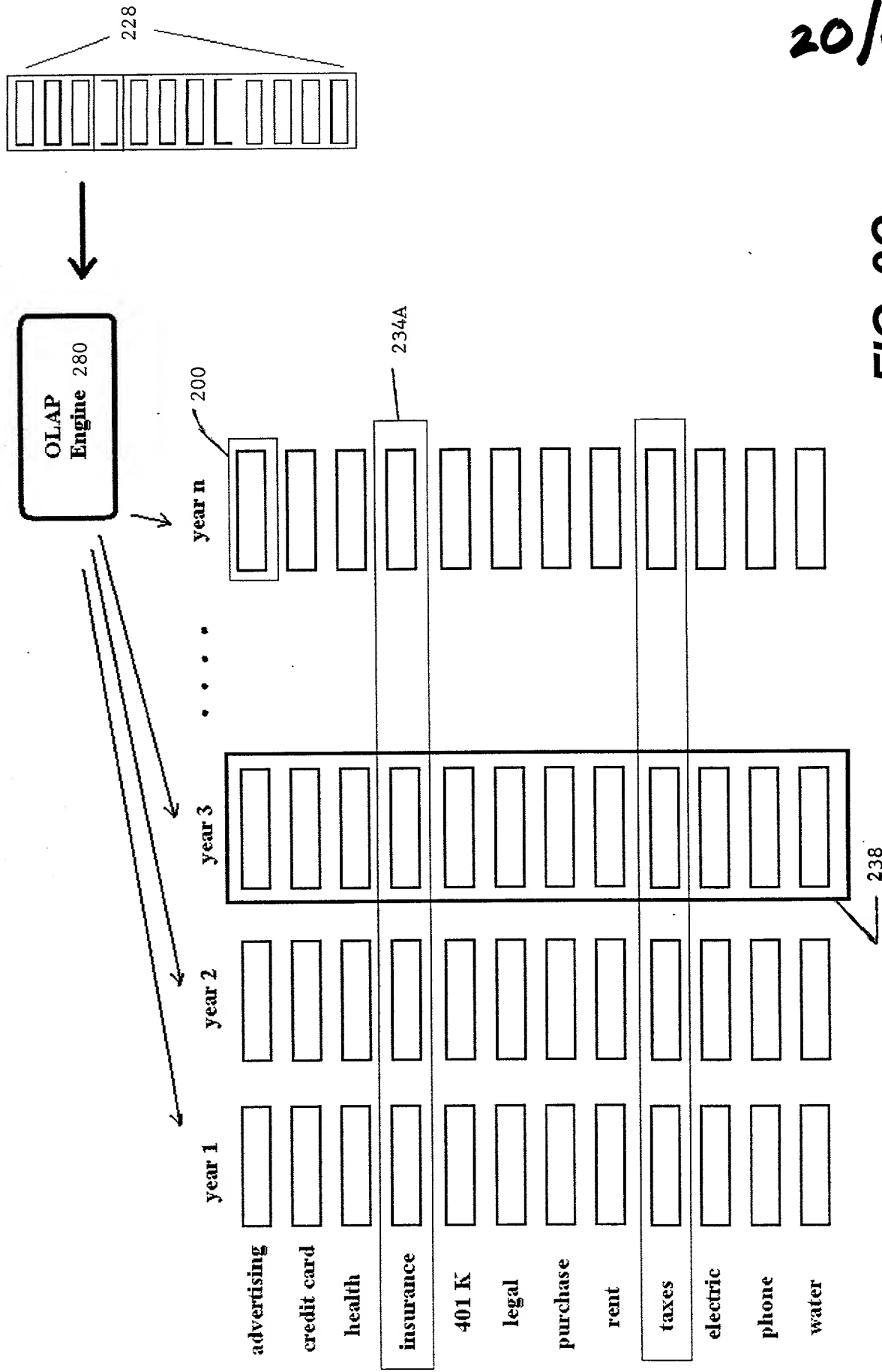


FIG. 9C

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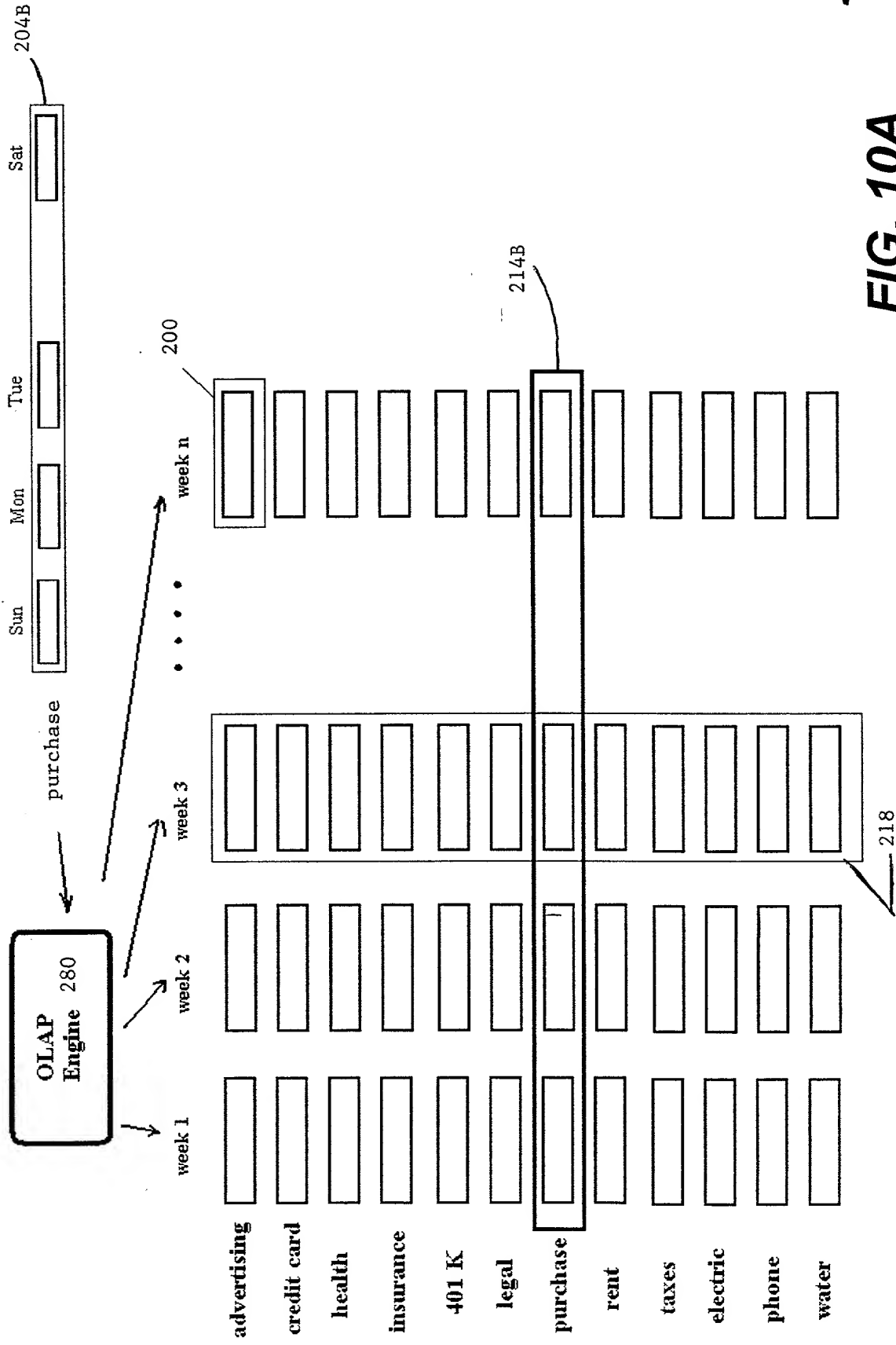


FIG. 10A

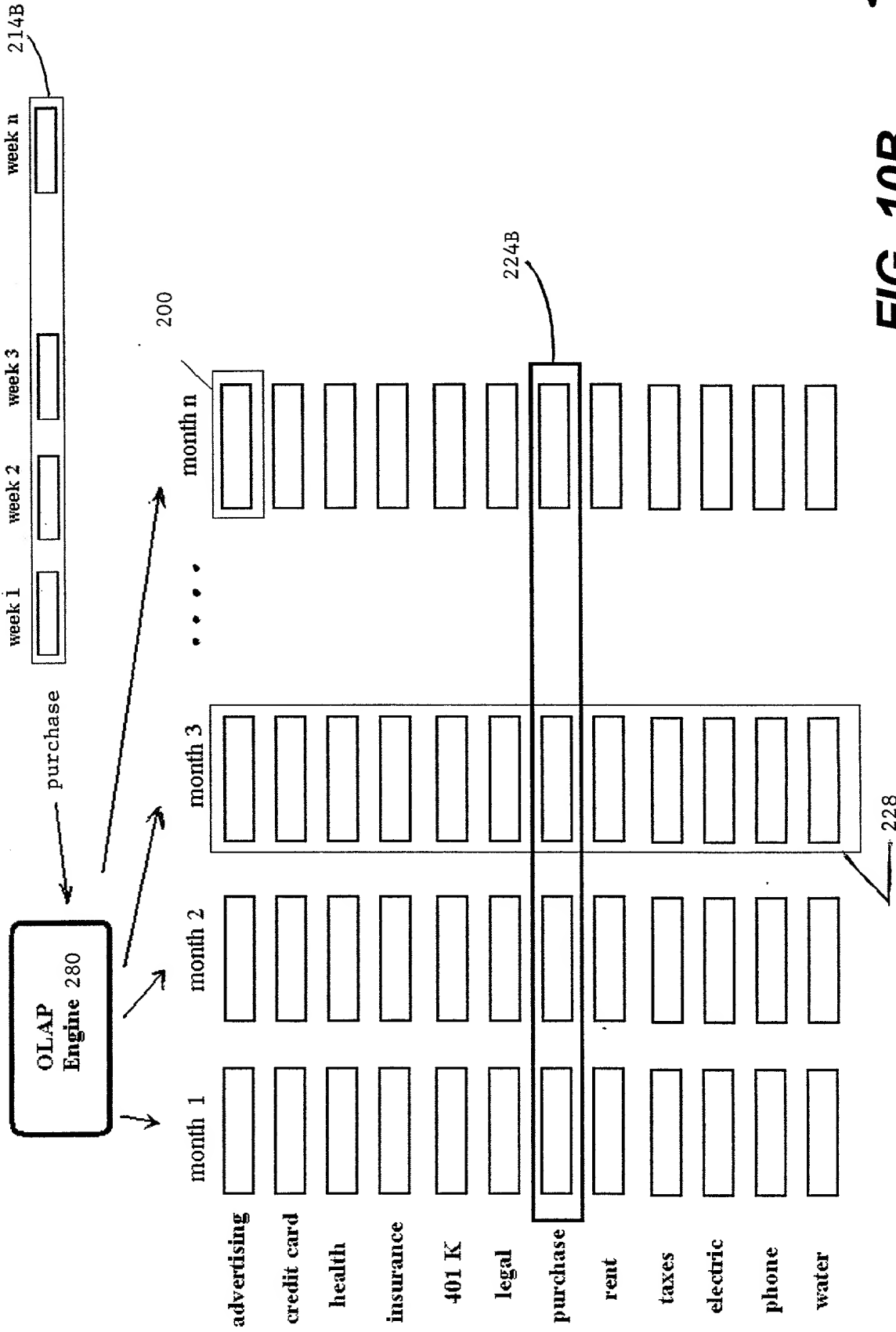
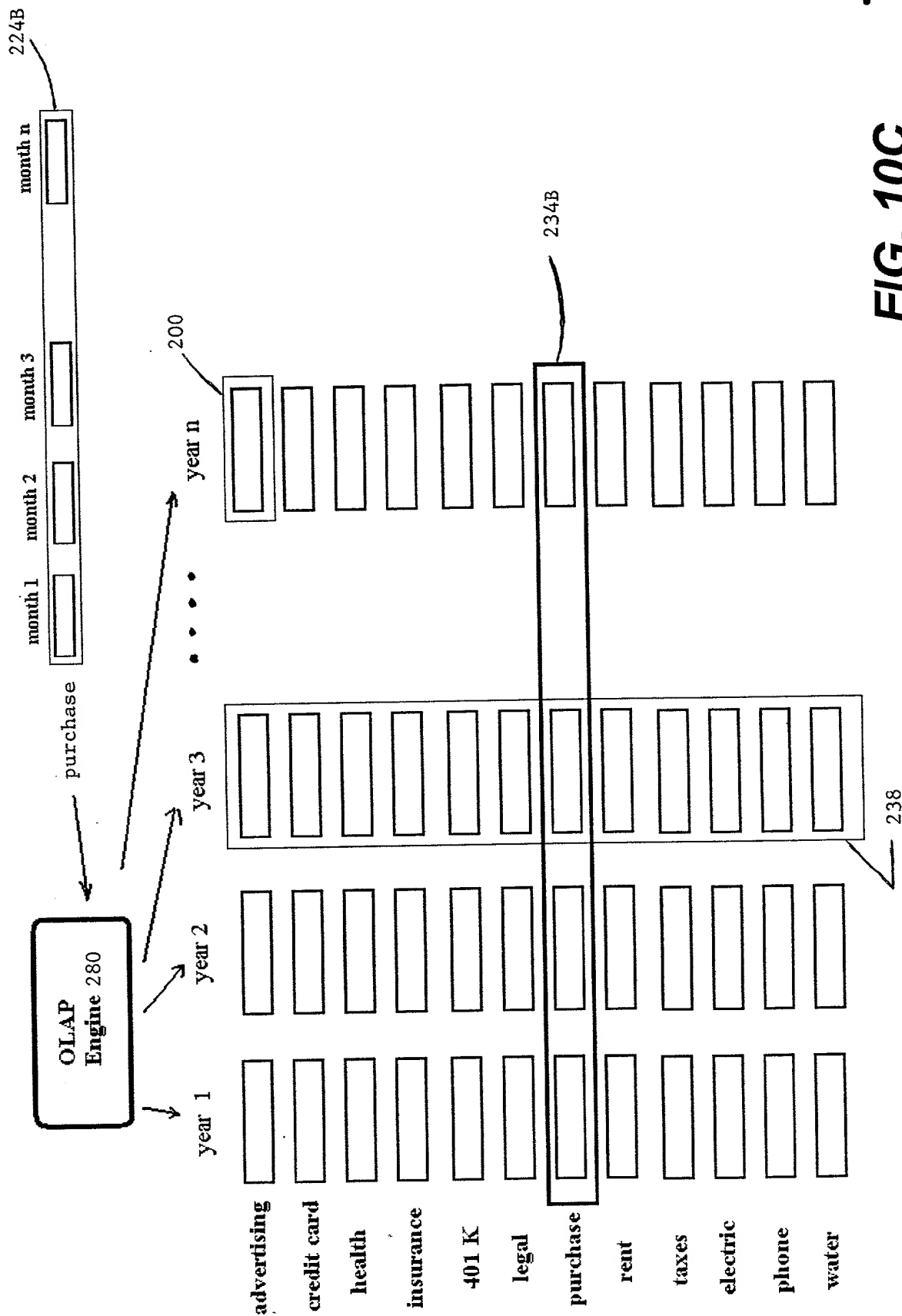


FIG. 10B

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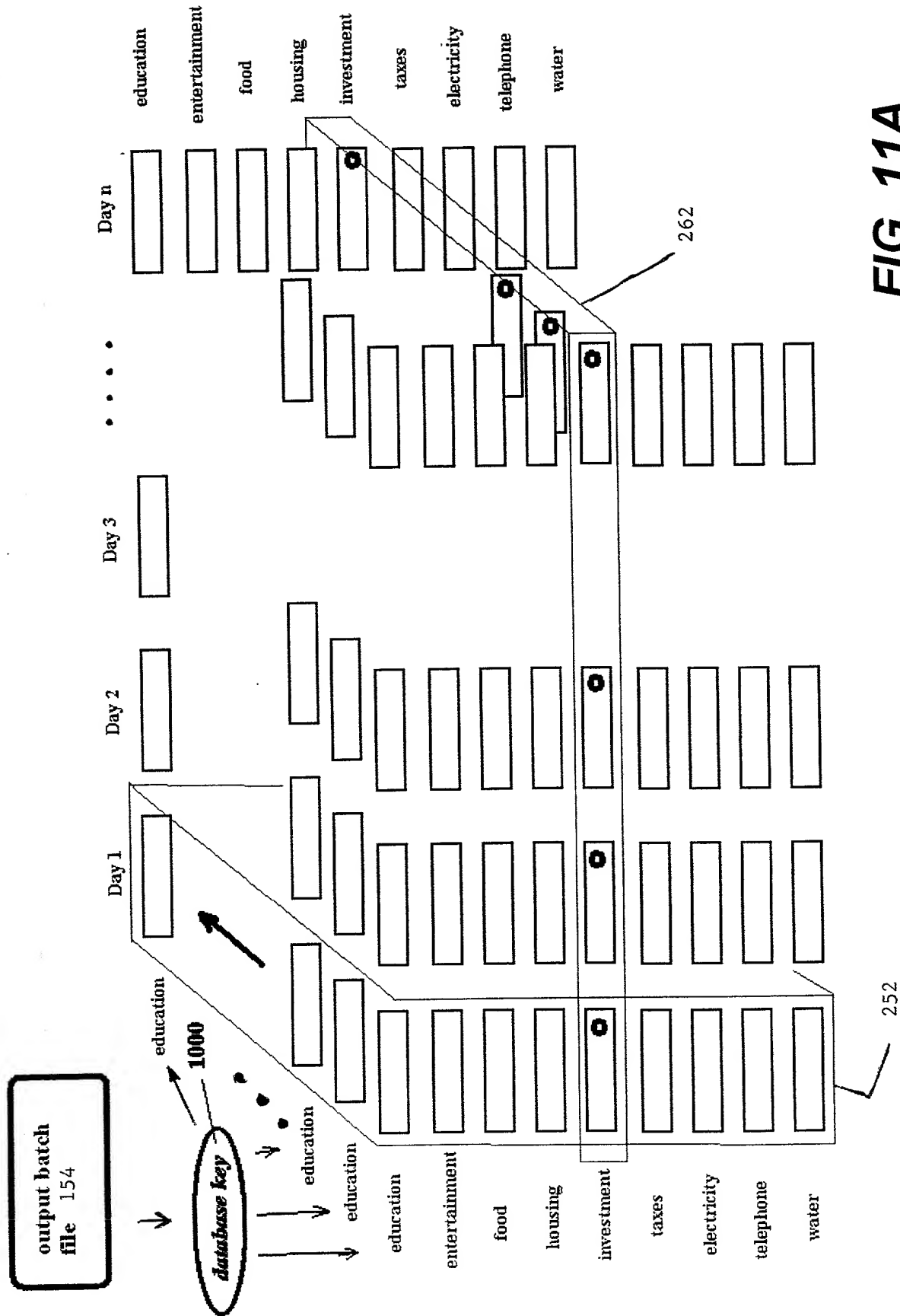


FIG. 11A

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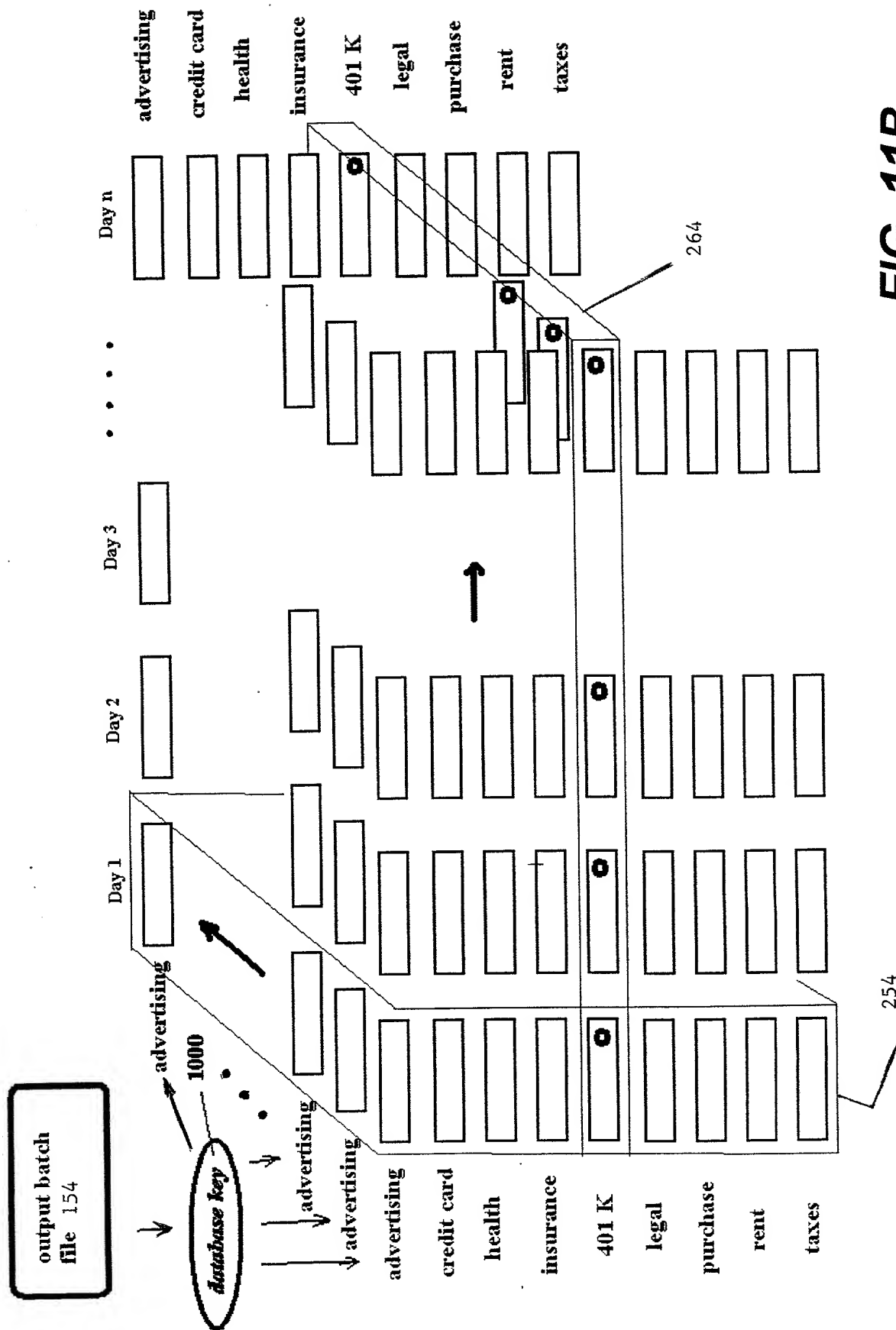


FIG. 11B

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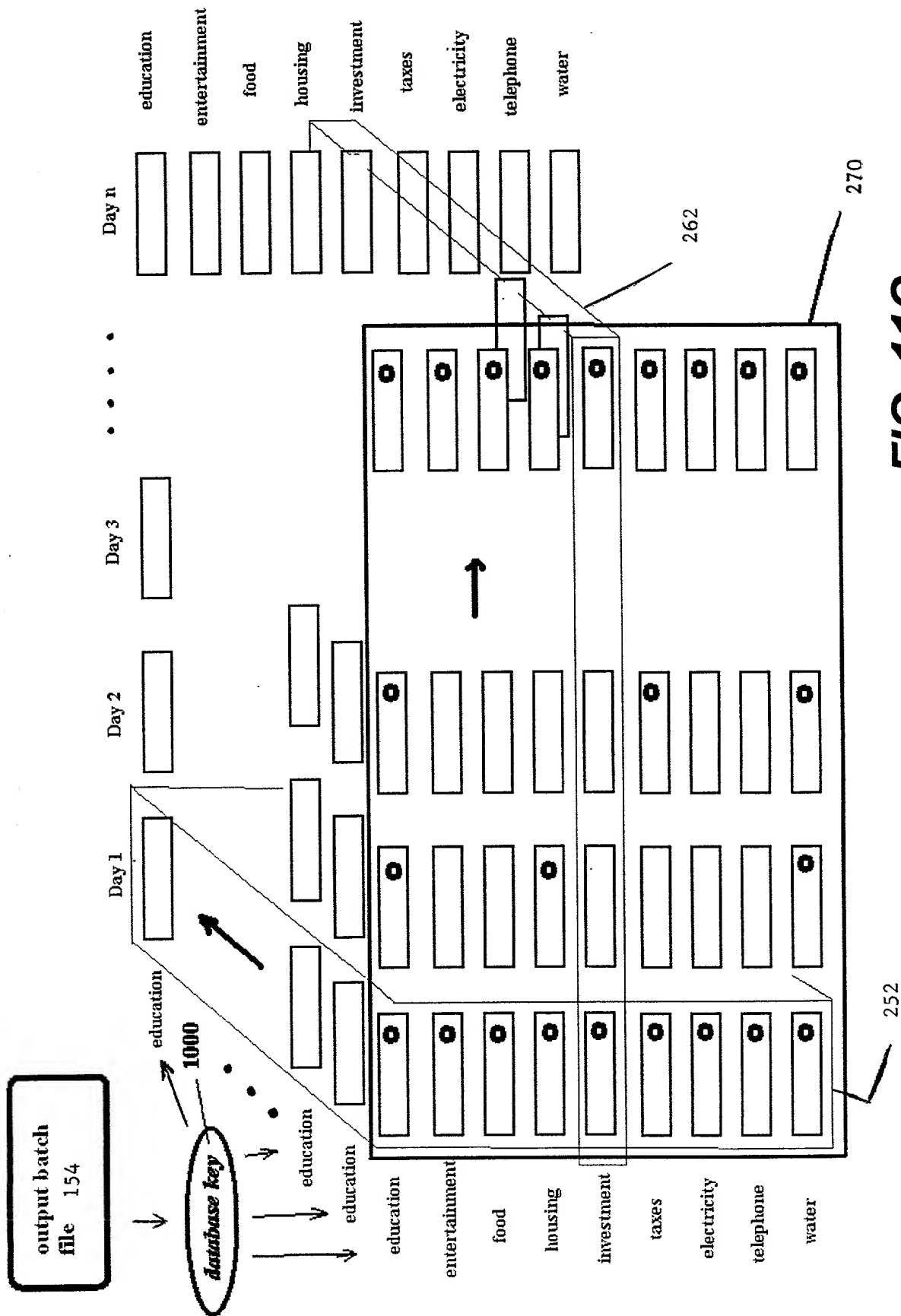
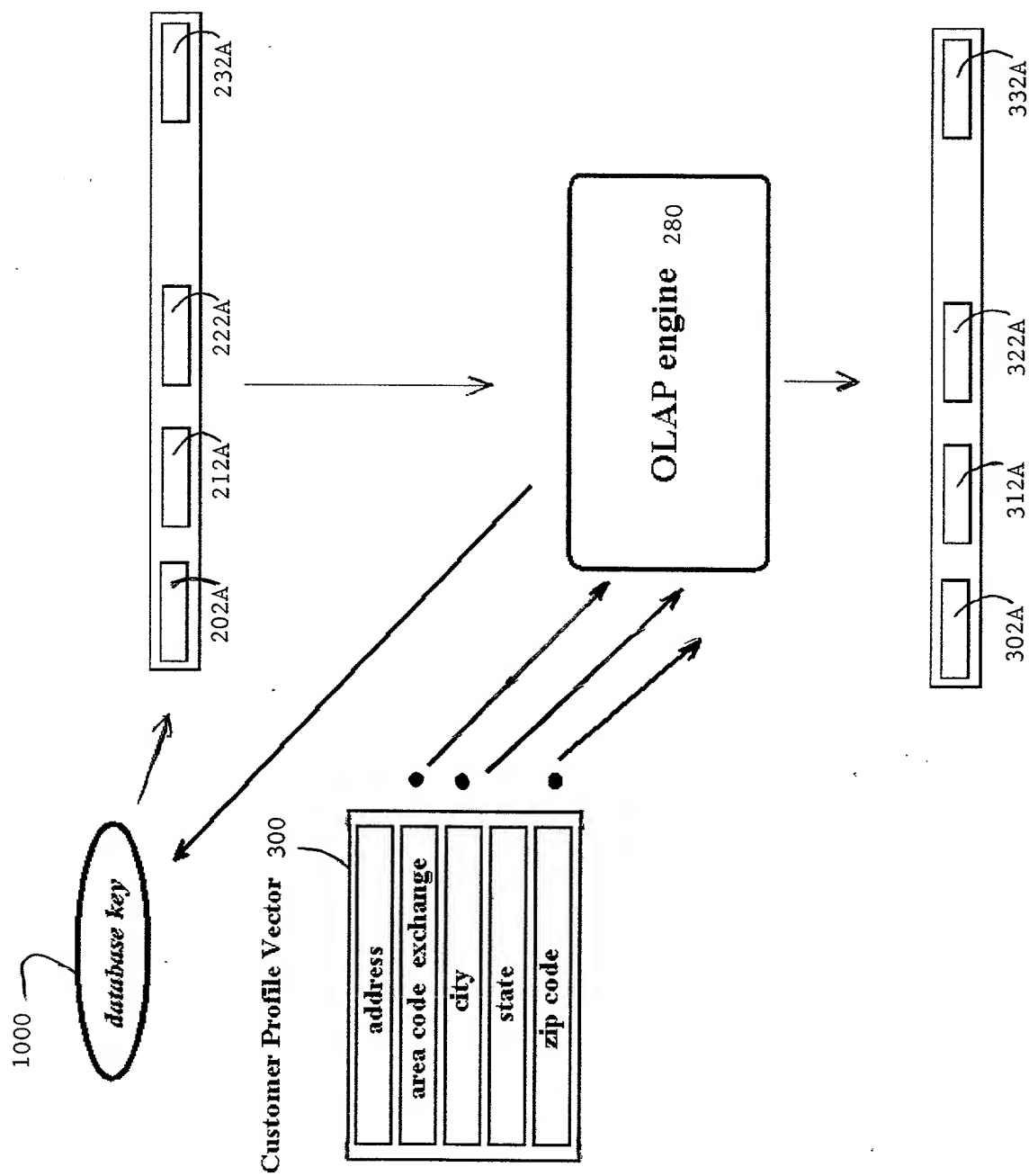
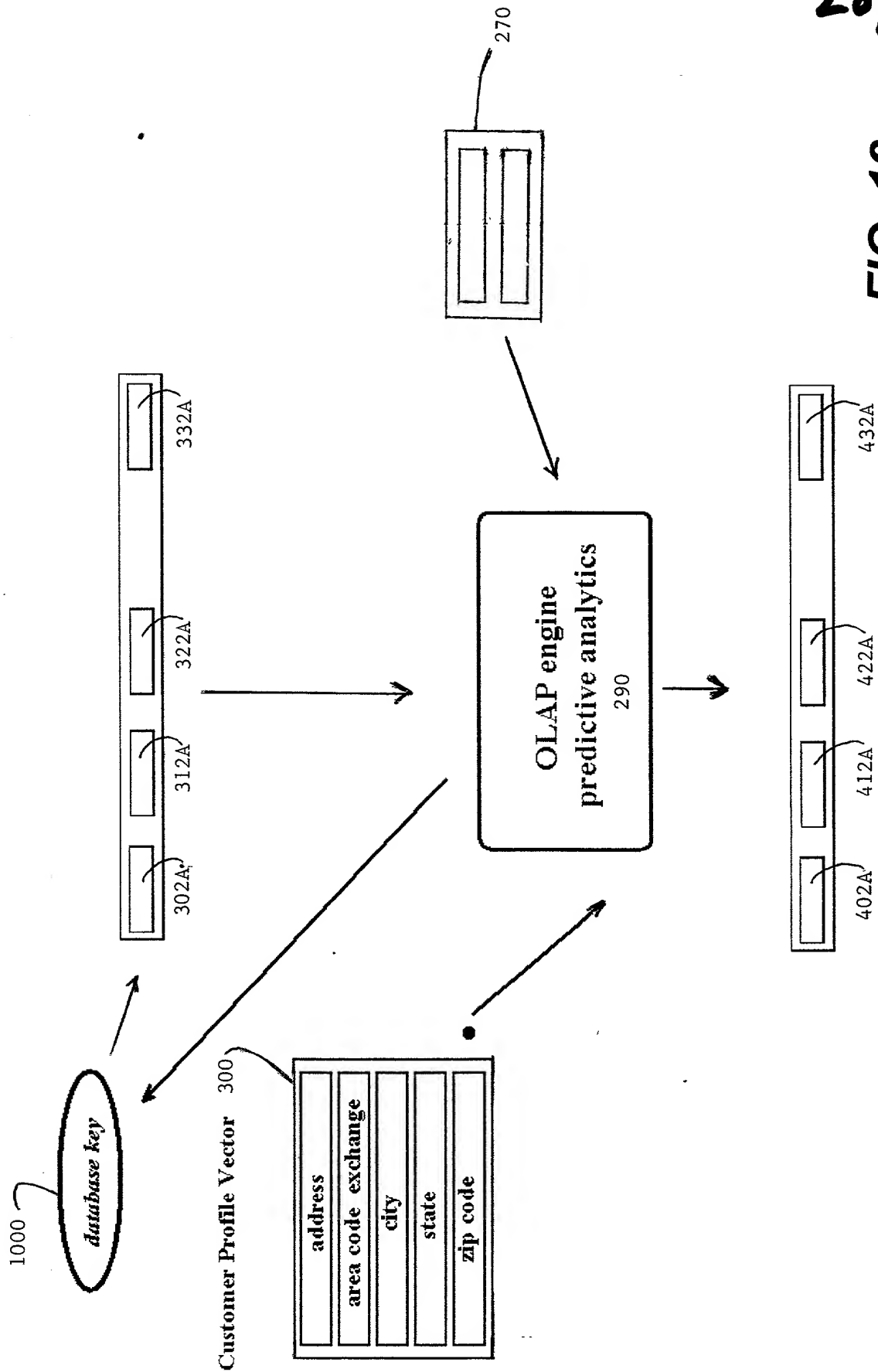
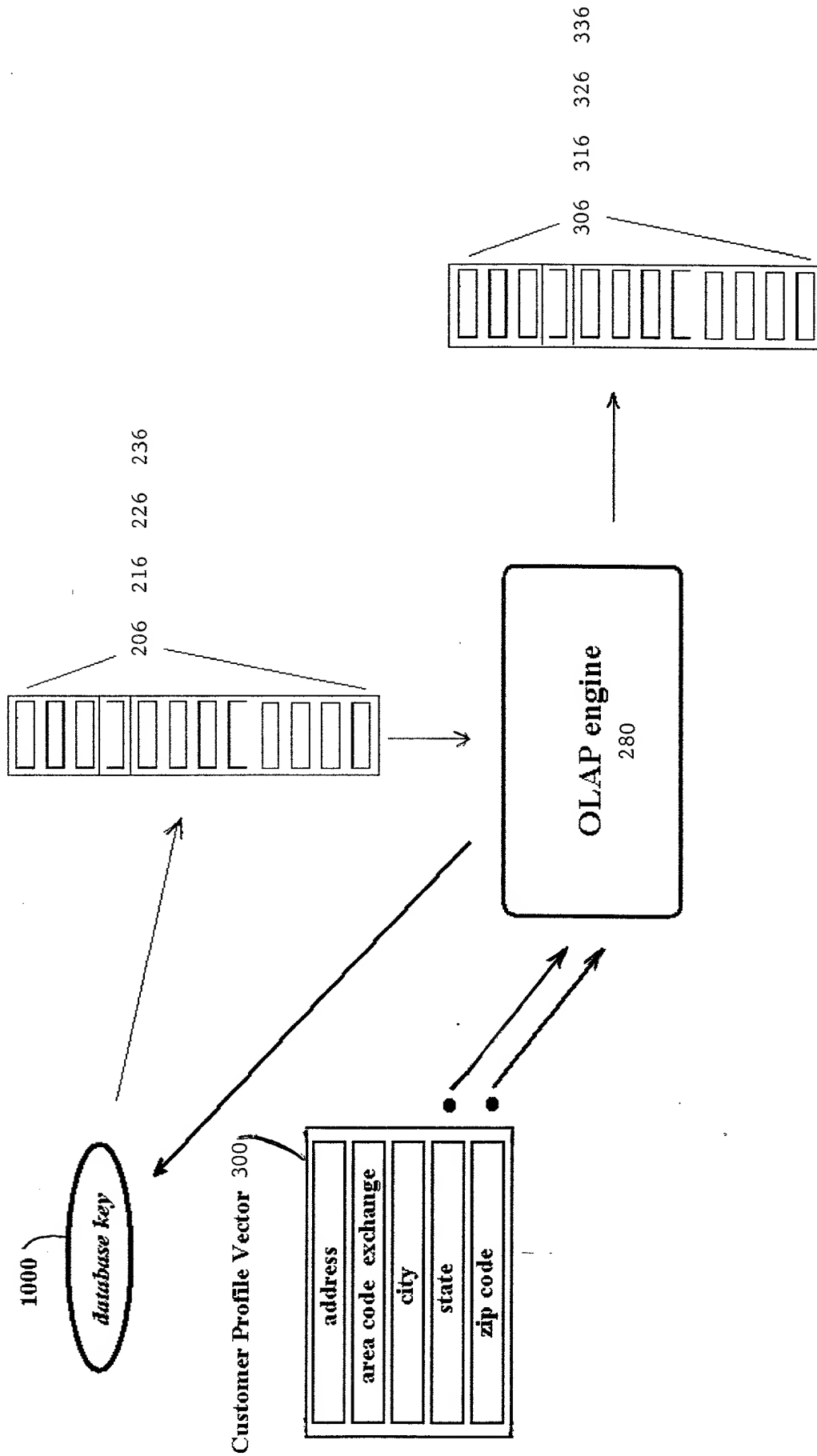


FIG. 11C

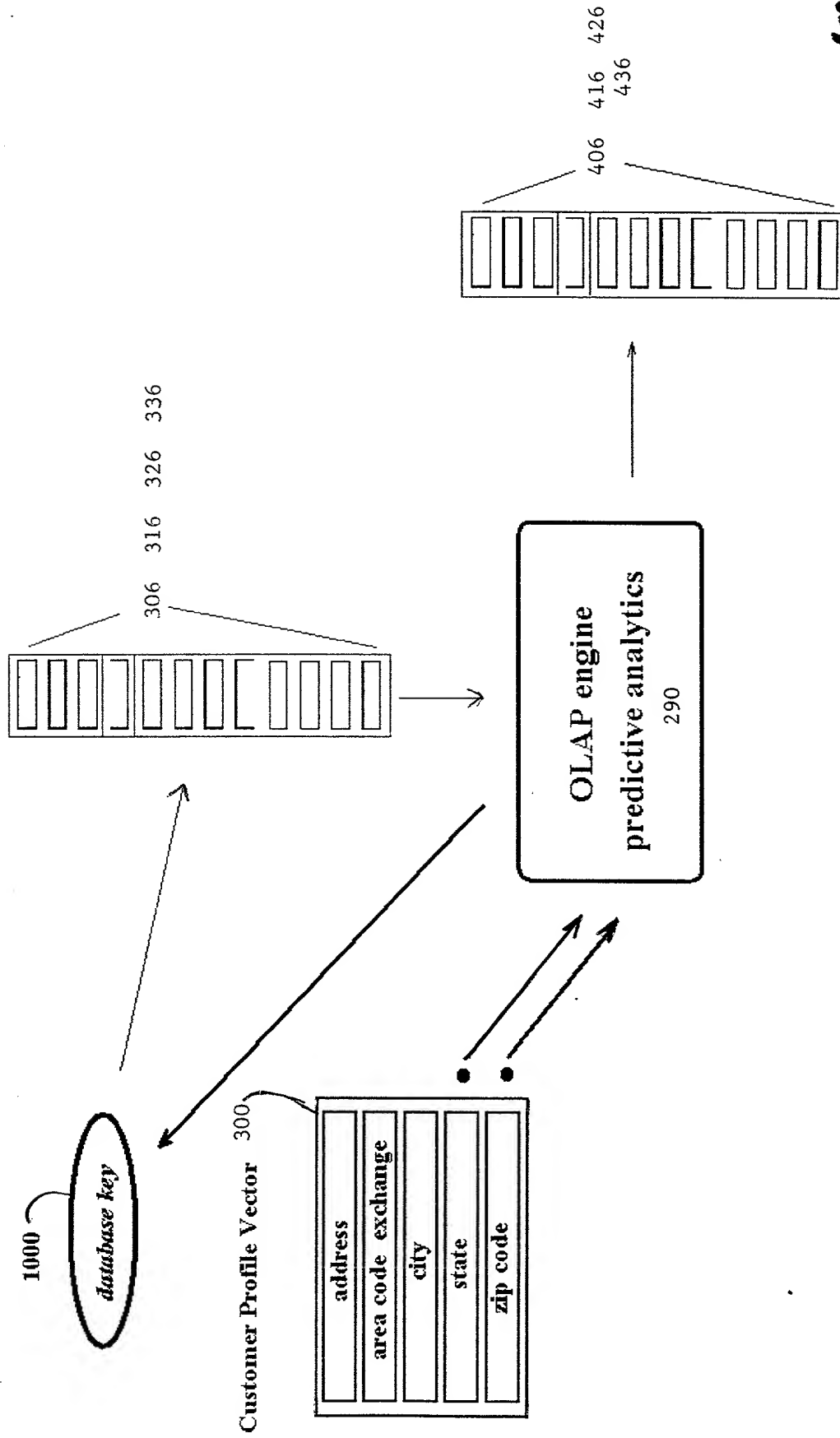






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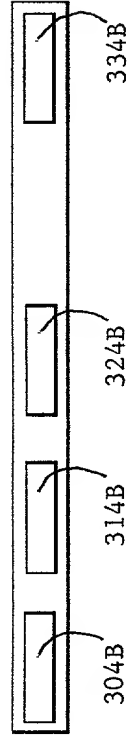
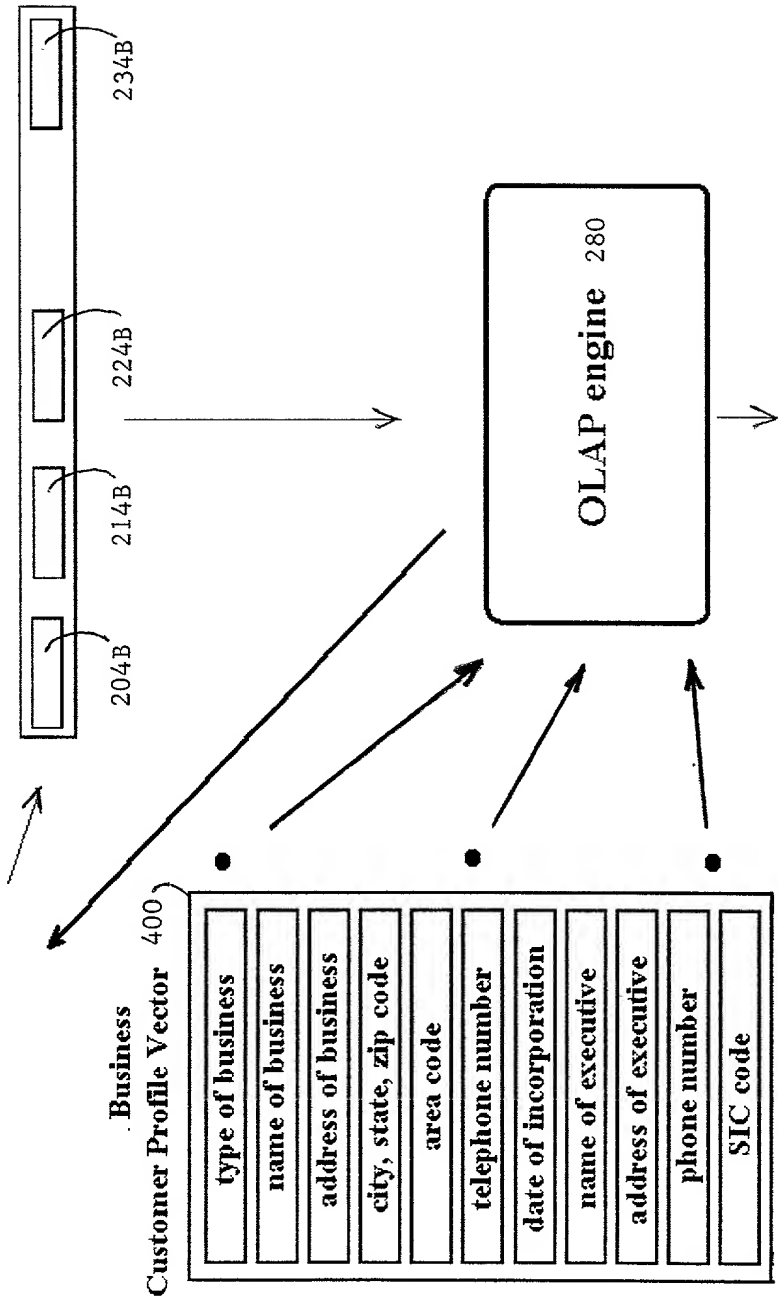
FIG. 14

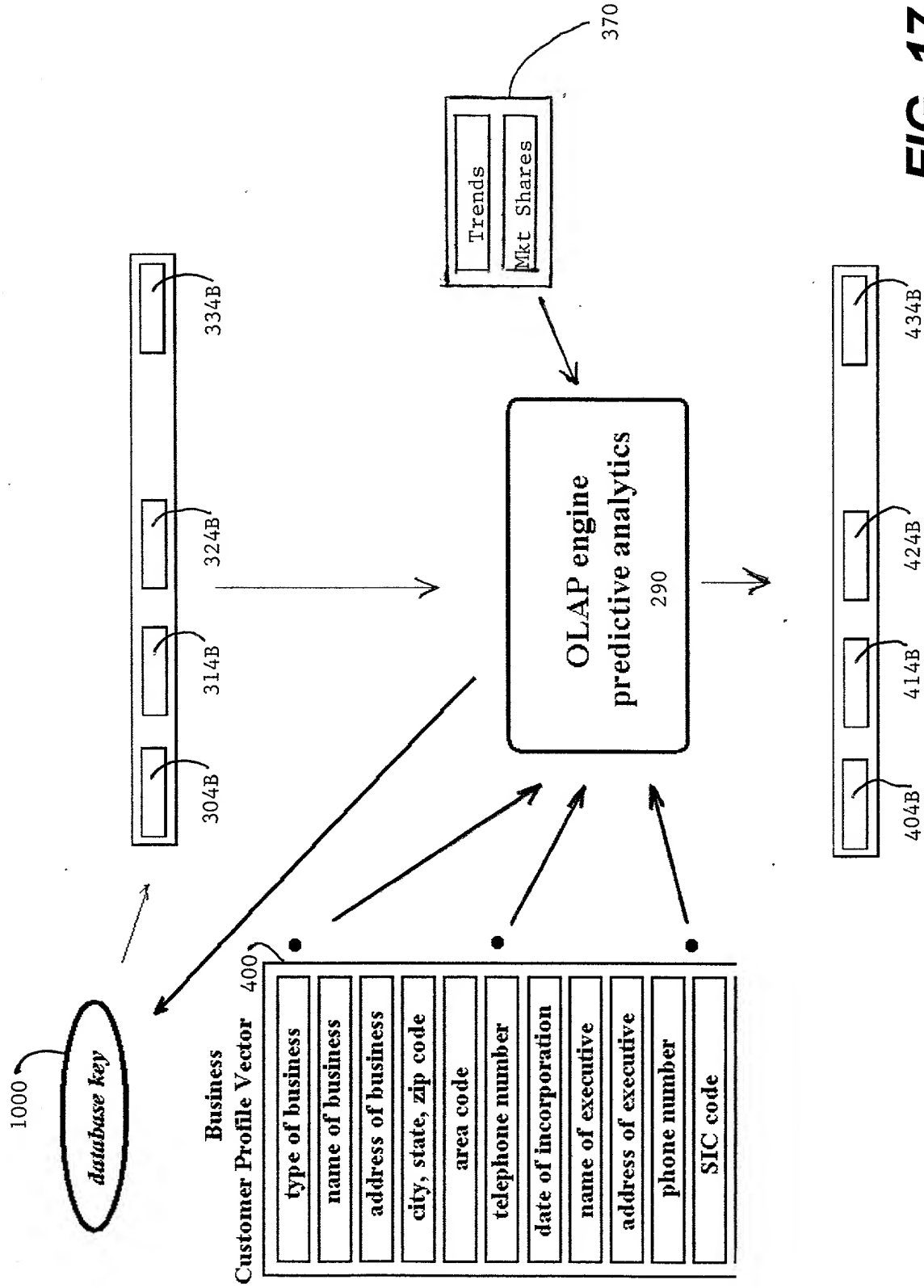


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FIG. 15

1000 database key





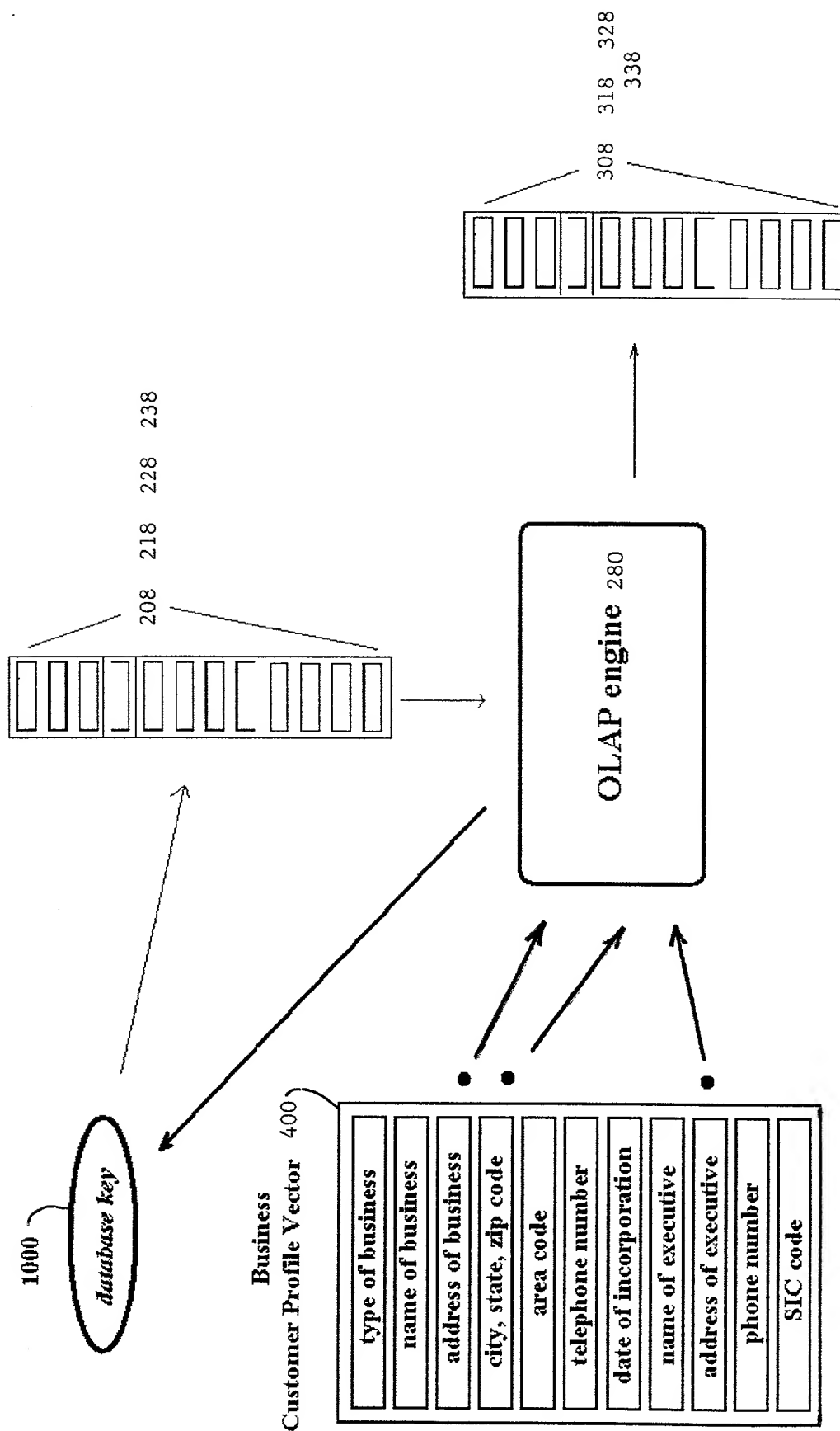
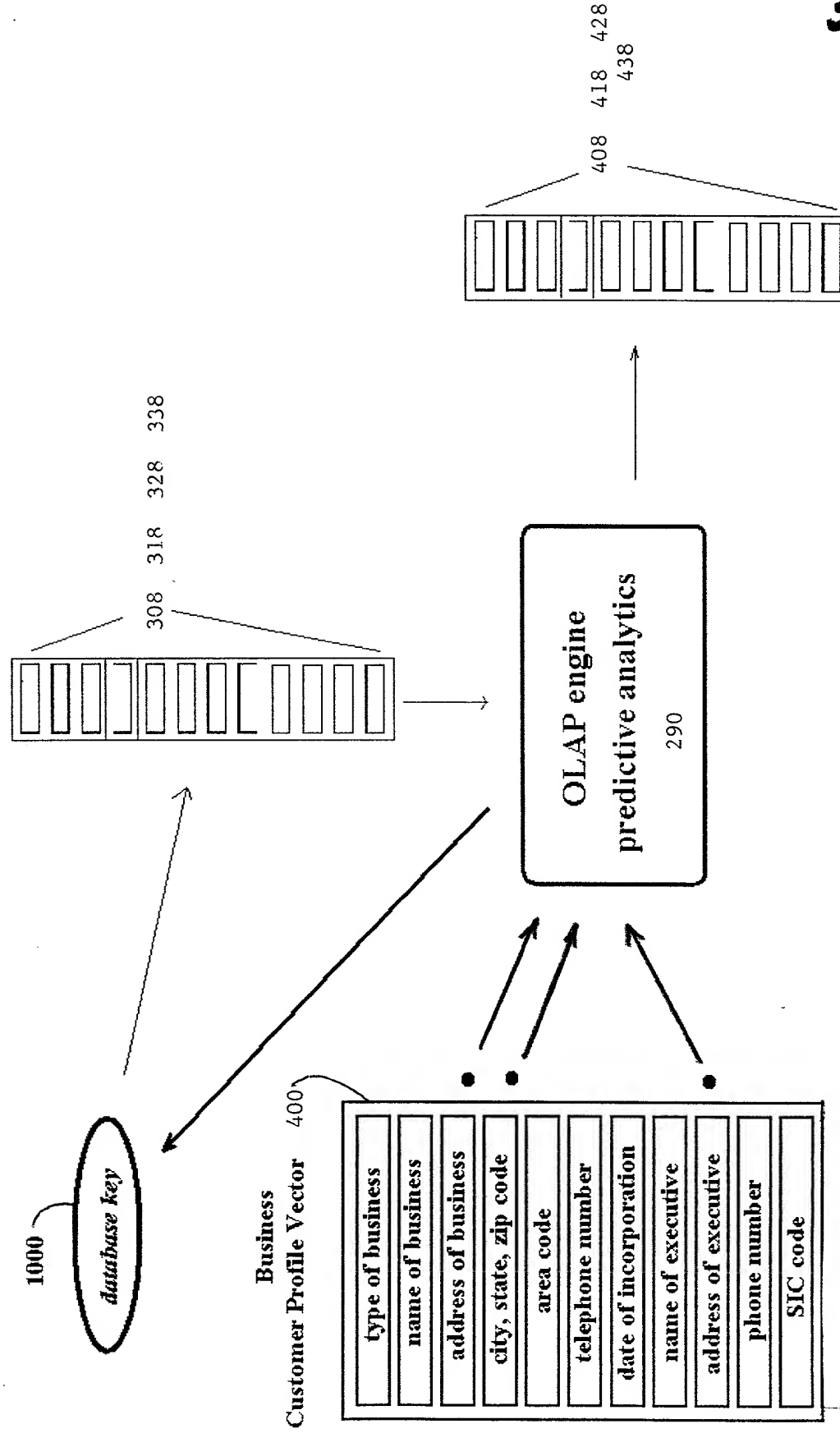


FIG. 18



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FIG. 19

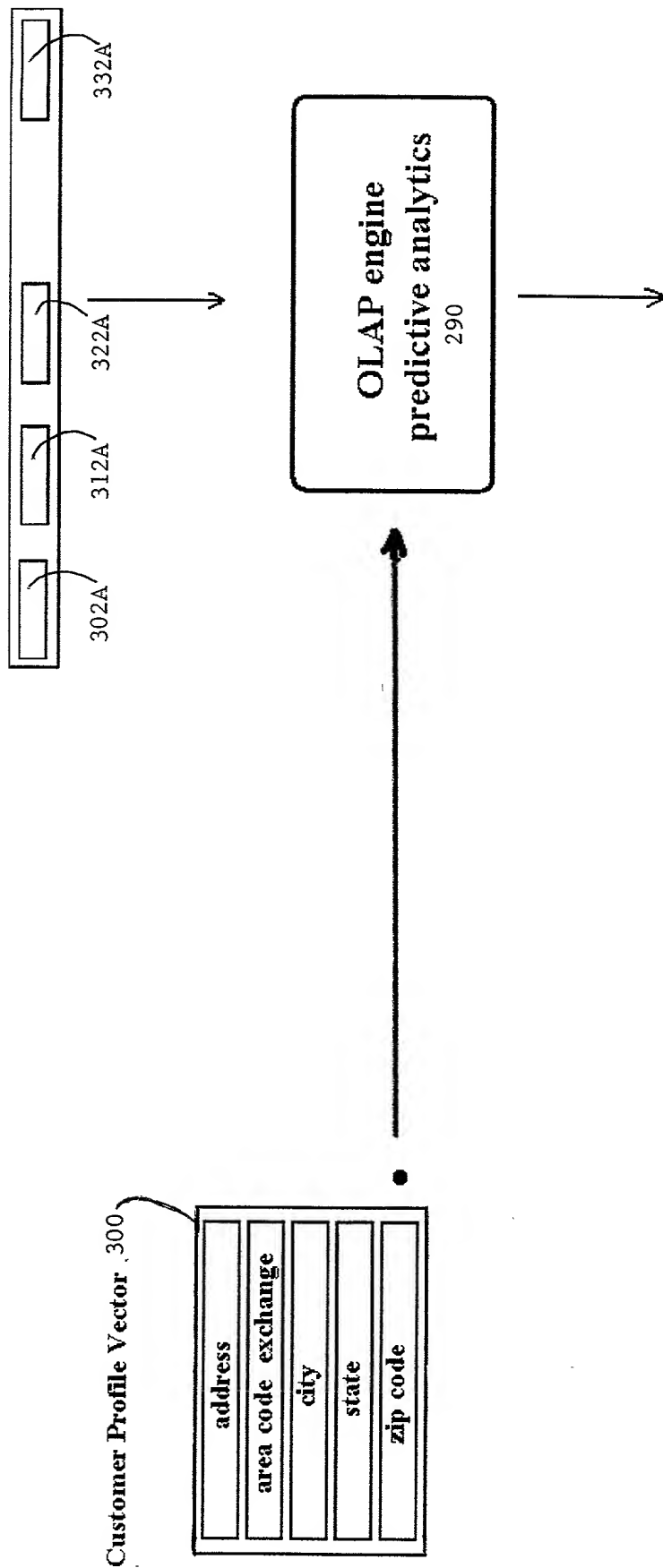


FIG. 20

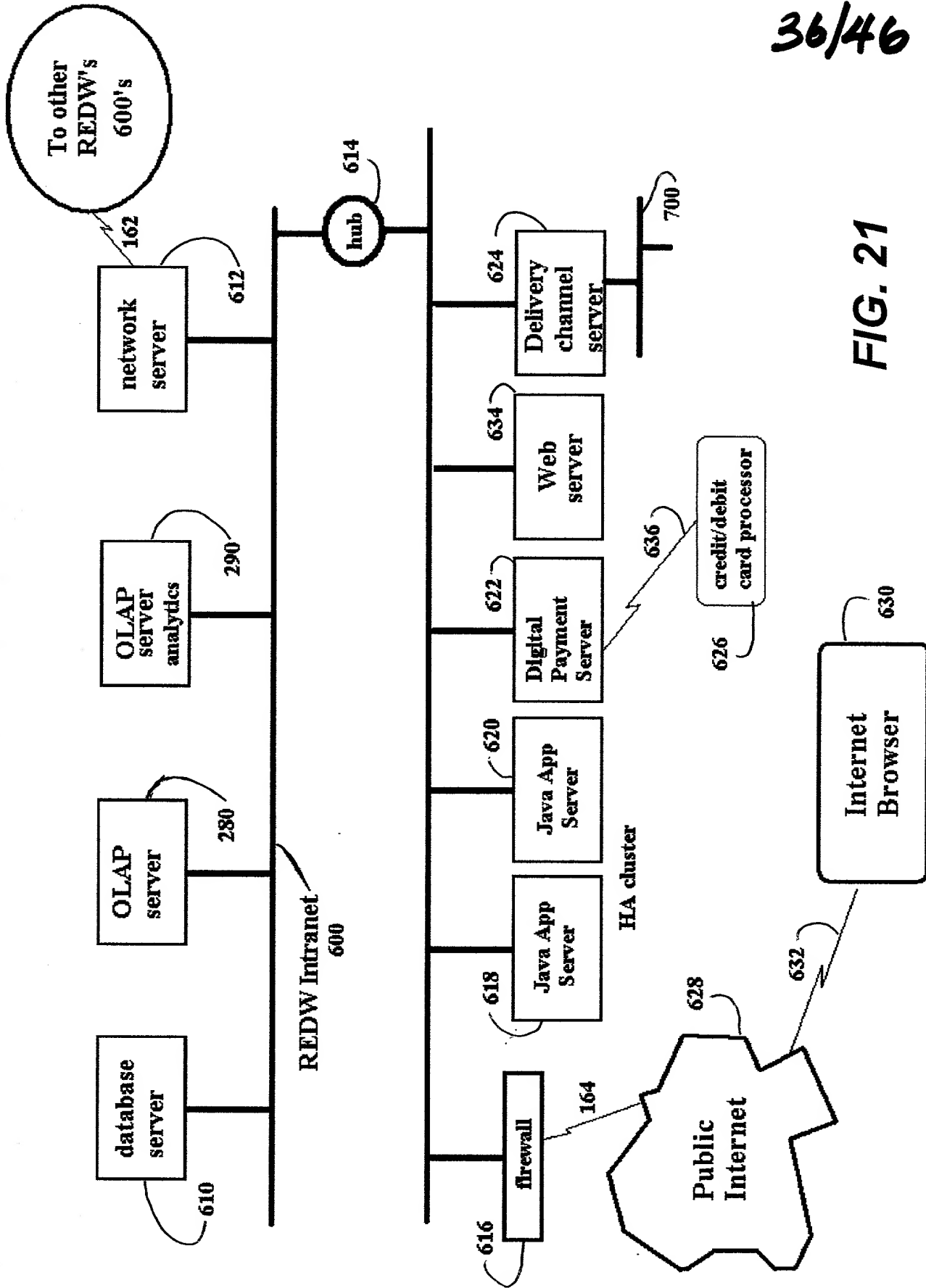


FIG. 21

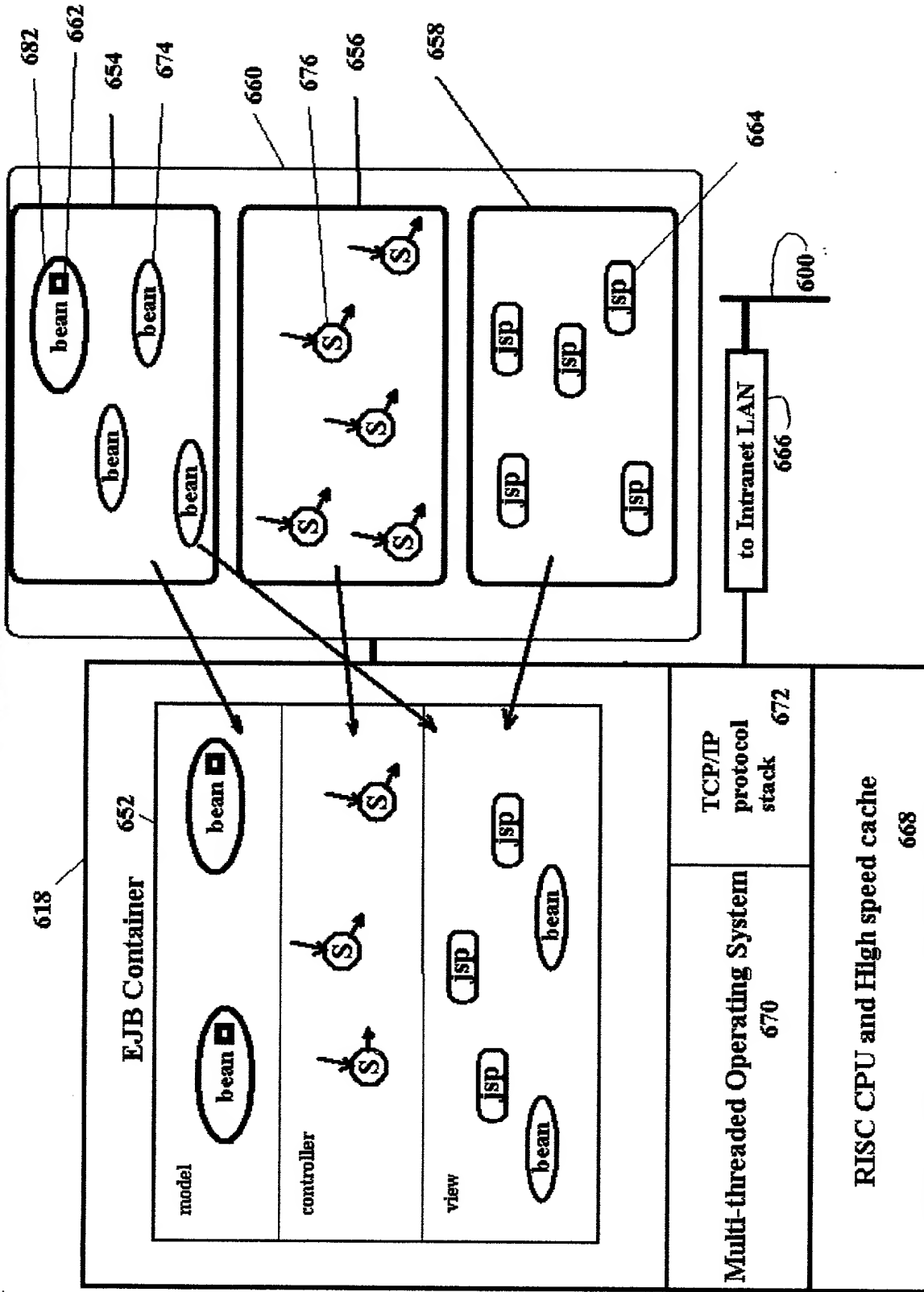


FIG. 22

NEDW Portal

Login ID:

Password:

Enter

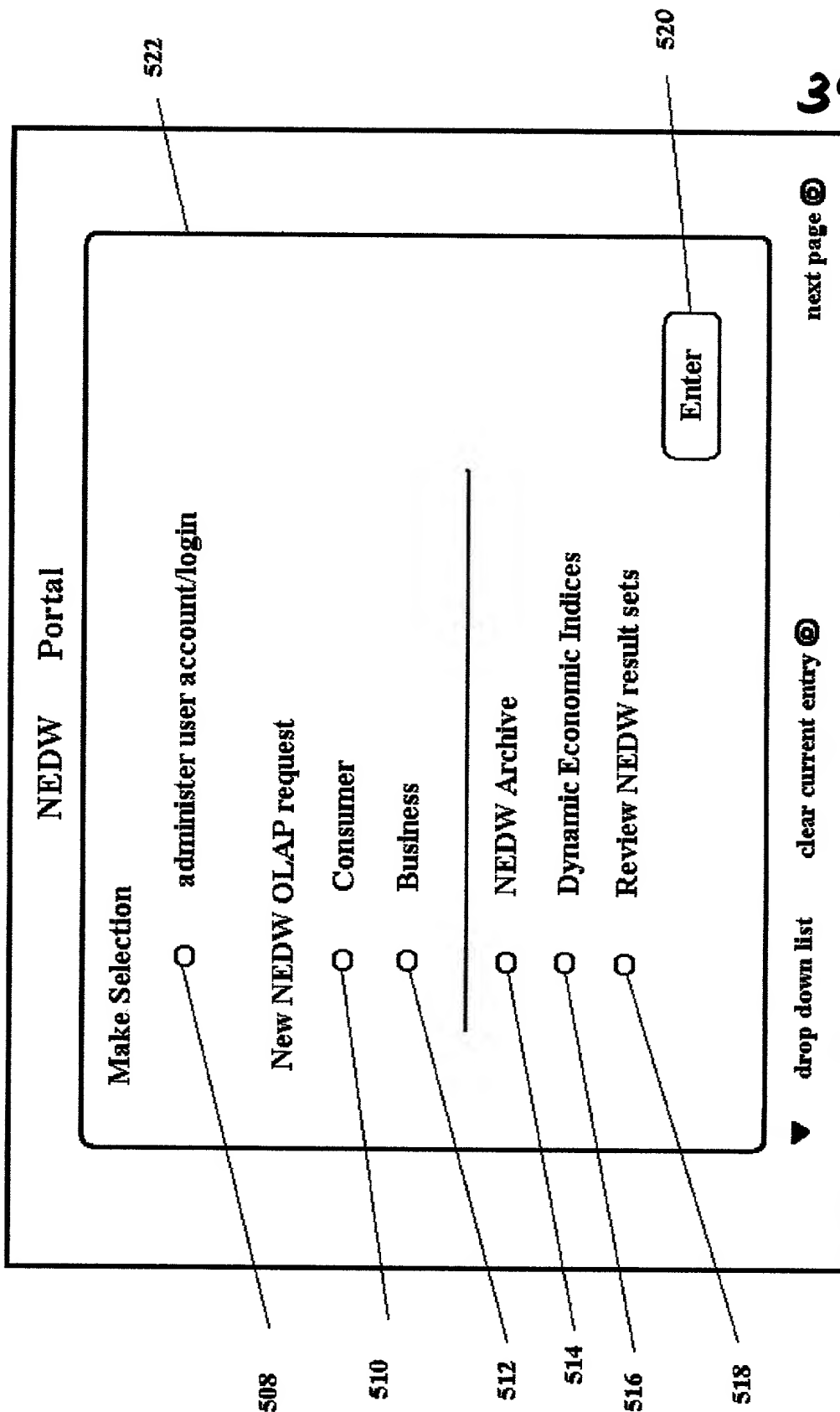
▼ drop down list

clear current entry

next page

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FIG. 23



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FIG. 24

NEDW Consumer Portal

address

area code exchange

city

state

zip code

▼

▼

▼

▼

Time

From

mm

dd

yy

To

mm

dd

yy

▼ drop down list

Enter

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FIG. 25

NEDW Consumer Expenditure Portal

import business
expenditure data

	> < =	amount \$	and or not	< > =	amount \$
<input type="radio"/> childcare	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> clothing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> credit card	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> donation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="radio"/> education	<input type="text"/>	<input type="text" value="10000"/>	<input type="text" value="and"/>	<input type="text" value="^"/>	<input type="text" value="50000"/>
<input type="radio"/> entertainment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> food	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> housing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="radio"/> taxes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="radio"/> electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> heat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> telephone	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> water	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Enter

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FIG. 26A

522A

526A

524A

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NEDW Business Expenditure Portal

import consumer
expenditure data

> < = amount \$ and or not < > = amount \$

- ☐ advertising
- ☐ credit card
- ☐ health
- ☐ insurance
- ☒ IRA/401K
- ☐ legal
- ☐ purchase
- ☐ rent
- ☐ taxes
- ☐ transportation
- ☐ electricity
- ☐ heat
- ☐ telephone
- ☐ water
- ☐ wages

<input type="text" value=">"/>	<input type="text" value="<"/>	<input "="" type="text" value="="/>	<input type="text" value="amount \$"/>	<input type="text" value="and or not"/>	<input type="text" value="<"/>	<input "="" type="text" value="="/>	<input type="text" value="amount \$"/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
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<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="10000"/>	<input type="text" value="and"/>	<input type="text" value="^"/>	<input type="text" value="50000"/>	<input type="text" value=""/>
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<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Enter

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FIG. 26B

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NEDW Results Portal

Output Format

☐ 2D time vs. expenditure

☐ 2D time vs. demographic

☐ 2D demographic vs. expenditure

☐ 3D time vs. demographic vs. expenditure

display only

☐ save results for predictive analytics

☐ use result set(s) enter name

e-mail notification

☐ show cost estimate of OLAP processing

☐ save results for NEDW financial channel

☐ save results for wireless PDA

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FIG. 27

type of business

phone # of company

address of business

city, state, zip code

area code

telephone number

date of incorporation

city of executive

address of executive

phone number

SIC code

▼

▼

▼

▼

▼

▼

▼

▼

▼

▼

▼

Time

From

mm

dd

yy

To

mm

dd

yy

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FIG. 28

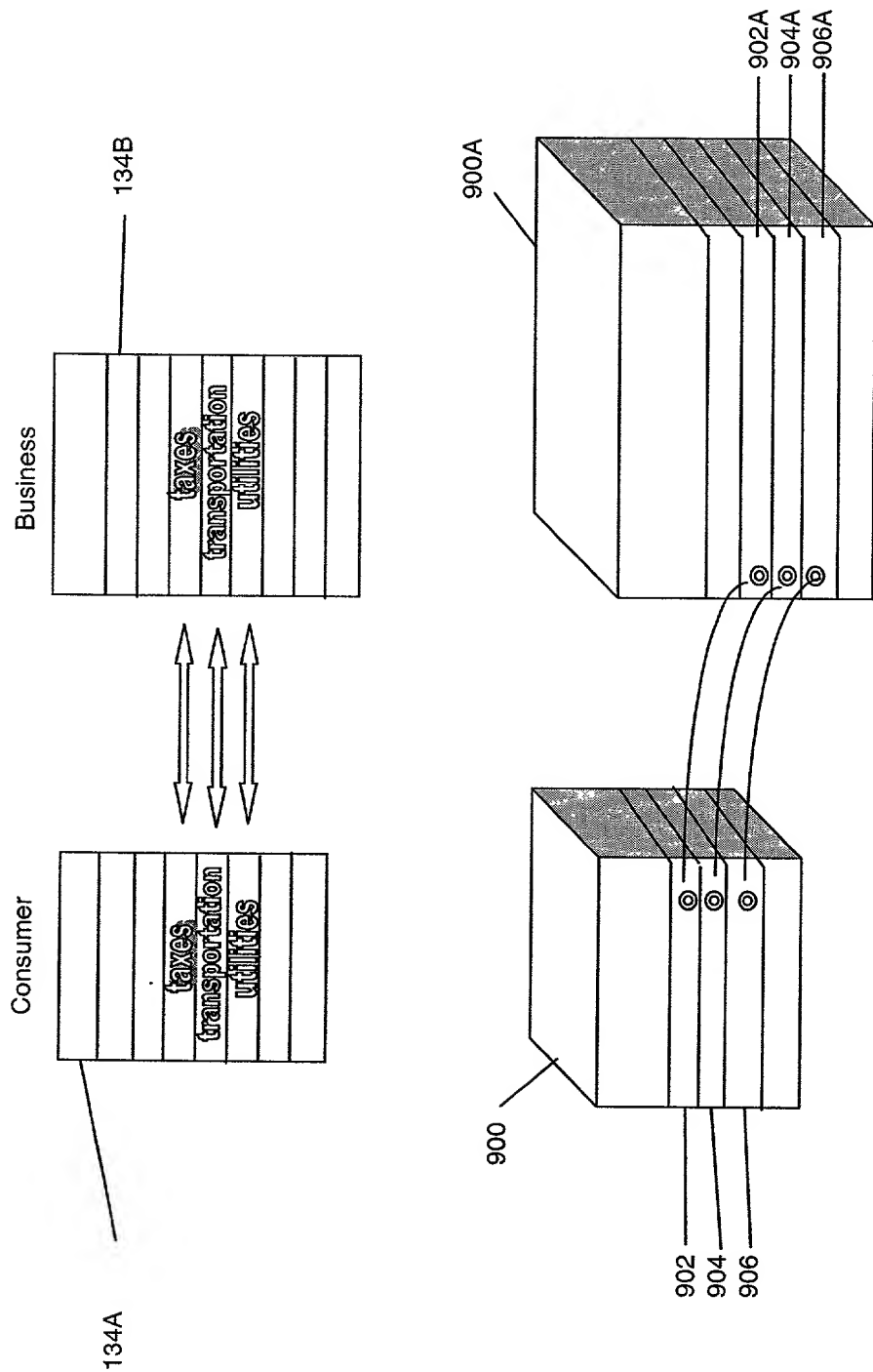


FIG. 29

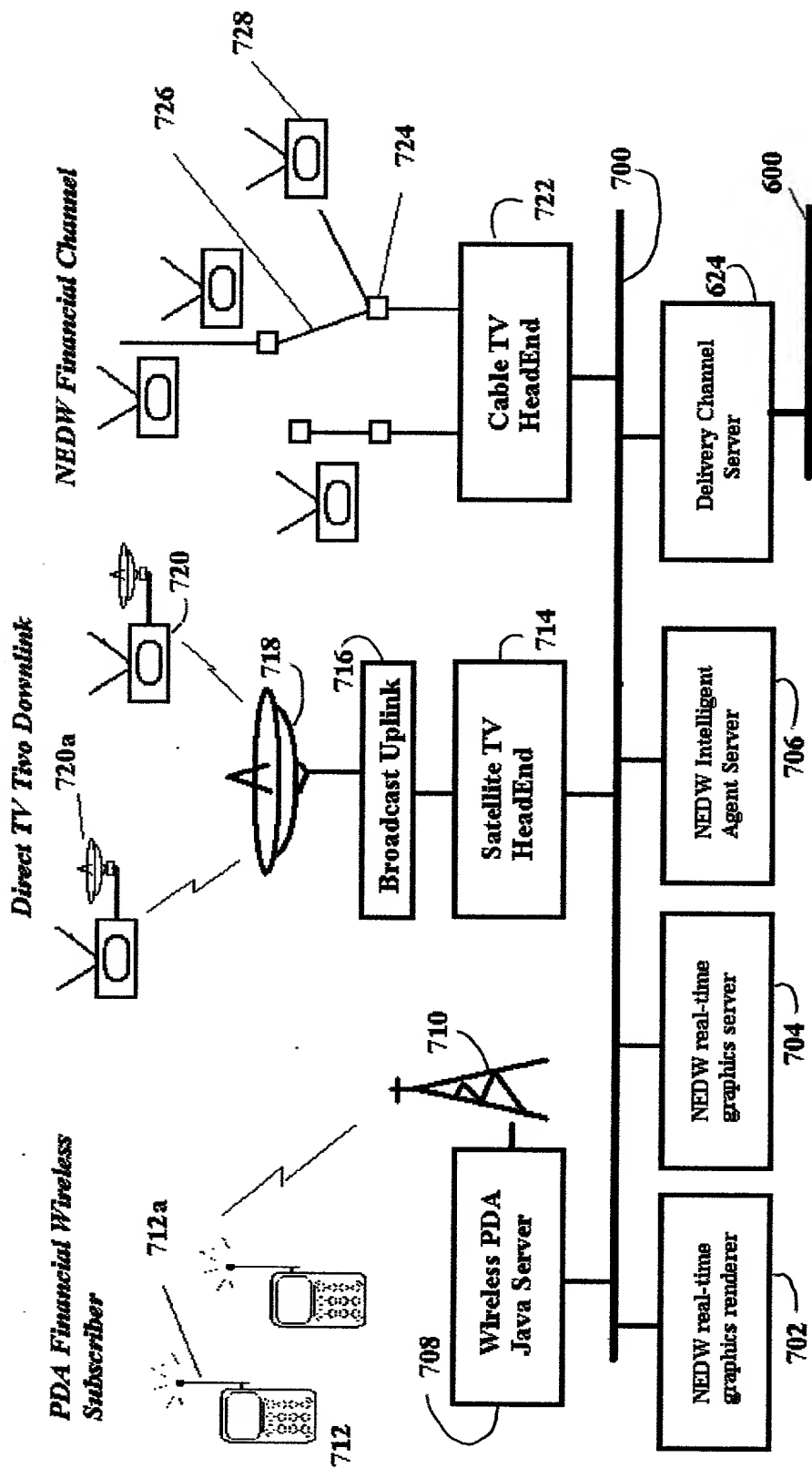


FIG. 30